

# Converting Colors

XYZ(56.5055, 72.8084, 77.0415)

Have a look what the booklet for  
XYZ(56.5055, 72.8084, 77.0415)  
contains.

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# Color

**XYZ(56.3261, 72.5467,  
76.6799)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 9BEDD9                       |
| RGB         | 155, 237, 217                |
| RGB Percent | 61%, 93%, 85%                |
| CMY         | 0.3921, 0.0706, 0.1490       |
| CMYK        | 0.35, 0.00, 0.08, 0.07       |
| HSL         | 165°, 69%, 77%               |
| HSV         | 165°, 35%, 93%               |
| XYZ         | 56.3261, 72.5467, 76.6799    |
| YIQ         | 210.2020, -42.4520, -23.6040 |

# Conversions

## Conversions Part 2

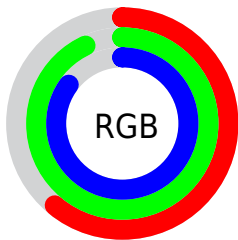
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">155, 202, 237</a>                                |
| Decimal                             | <a href="#">10218969</a>                                     |
| <a href="#">CIELab</a>              | <a href="#">88.23, -29.29, 1.77</a>                          |
| <a href="#">CIElCh</a>              | <a href="#">88, 29.347, 176.542</a>                          |
| <a href="#">Yxy</a>                 | <a href="#">72.5467, 0.2740, 0.3529</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4288409049</a><br>( <a href="#">0xFF9BEDD9</a> ) |
| <a href="#">YUV</a>                 | <a href="#">210.2020, 3.3514, -48.4122</a>                   |
| <a href="#">Hunter-Lab</a>          | <a href="#">85.1744, -31.0124, 6.2450</a>                    |

# Details

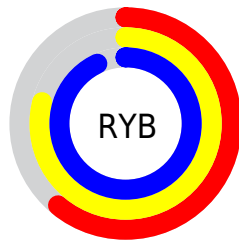
The XYZ color **56.3261, 72.5467, 76.6799** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.3867, 44.5442, 46.2915**, and the grayscale version is **61.3915, 64.5886, 70.3370**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **28.3010, 38.3657, 40.0961** is the 20% darker color. If you saturate the color by 10%, you get **51.4780, 70.1346, 72.5973**, and if you desaturate by 10%, it is **62.0973, 75.4353, 80.9464**.

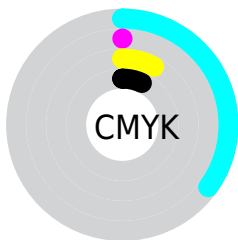
# Distribution



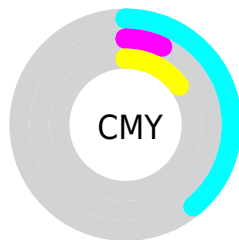
- Red (61%)
- Green (93%)
- Blue (85%)



- Red (61%)
- Yellow (79%)
- Blue (93%)



- Cyan (35%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)




- Cyan (39%)
- Magenta (7%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3261, 72.5467, 76.6799 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 56.3261, 72.5467, 76.6799 by changing the saturation by 10% instead.




 56.3261, 72.5467,  
76.6799


 56.3261, 72.5467,  
76.6799


400.9744,  
469.4422, 503.0806

 40.7025, 53.6054,  
56.4802


 98.6183, 122.8335,  
130.4564

 28.2733, 38.2863,  
40.1815


 126.0175,  
154.9477, 164.8703

 18.6733, 26.2049,  
27.3652


158.0726,  
192.2218, 204.8593

 11.5371, 16.9770,  
17.6128

195.1490,  
235.0399, 250.8421

 6.4992, 10.2181,  
10.5058

237.6121,  
283.7867, 303.2370

 3.1945, 5.5438,  
5.6256


285.8271,


 1.2574, 2.5697,


338.8464, 362.4627


2.5537


340.1594,  
400.6034, 428.9377


 0.1510, 0.9115,  
0.8684


 0.0000, 0.0000,  
0.0000


 56.3261, 72.5467,  
76.6799


 56.3261, 72.5467,  
76.6799


 51.4780, 70.1346,  
72.5973


 62.0973, 75.4353,  
80.9464


 47.4941, 68.1632,  
68.6897

 68.8340, 78.8167,  
85.3954

 44.3182, 66.6054,  
64.9547

 76.5831, 82.7169,  
90.0320

 41.8849, 65.4274,  
61.3877

 85.3867, 87.1576,  
94.8596

■ 40.1180, 64.5901,  
57.9837

■ 88.1459, 88.4791,  
99.5471

■ 38.9246, 64.0454,  
54.7370

■ 89.0469, 88.8396,  
104.2919

■ 38.4416, 63.8334,  
53.0448

■ 89.5755, 89.0510,  
107.0752

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.2835, 72.5467, 59.5191



56.3261, 72.5467, 76.6799



57.5579, 72.5467, 97.5761

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.3261, 72.5467, 76.6799



75.1695, 72.5467, 118.9145



76.6746, 72.5467, 50.9044

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56.3261, 72.5467, 76.6799



54.3867, 44.5442, 46.2915

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7618, 72.5467, 62.9297



56.3261, 72.5467, 76.6799



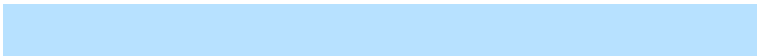
80.8521, 72.5467, 102.3047

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.3261, 72.5467, 76.6799



68.1417, 72.5467, 124.2573



83.3397, 72.5467, 81.3481



69.7717, 72.5467, 46.3177

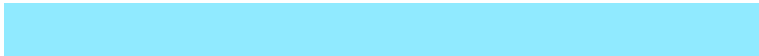


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.3261, 72.5467, 76.6799



60.0708, 72.5467, 110.5426



83.3397, 72.5467, 81.3481



78.6713, 72.5467, 54.0990

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56.3282, 72.5496, 76.6816



85.2974, 95.0862, 103.3004



53.9944, 72.1099, 42.0842



17.9851, 20.2155, 21.9460



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.3282, 72.5496, 76.6816



62.0801, 83.4568, 86.8742



53.4900, 62.4539, 89.3598



15.3515, 17.0554, 18.5337



21.0413, 34.8710, 29.2461



1.6897, 2.7532, 2.4936



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54.3867, 44.5442, 46.2915



59.4566, 45.4654, 45.6991



56.2712, 51.2281, 37.9336



15.2161, 15.1143, 16.4234



19.5255, 10.0129, 3.3026

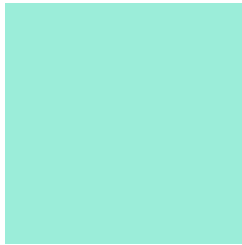


1.5703, 0.8011, 0.4547



# Previews

## White Background



This preview shows how the XYZ color 56.3261, 72.5467, 76.6799 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

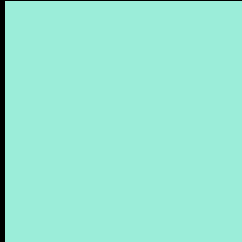
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.3261, 72.5467, 76.6799 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

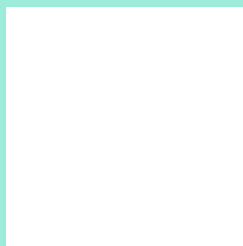
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 56.3261, 72.5467, 76.6799**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.3261, 72.5467, 76.6799.



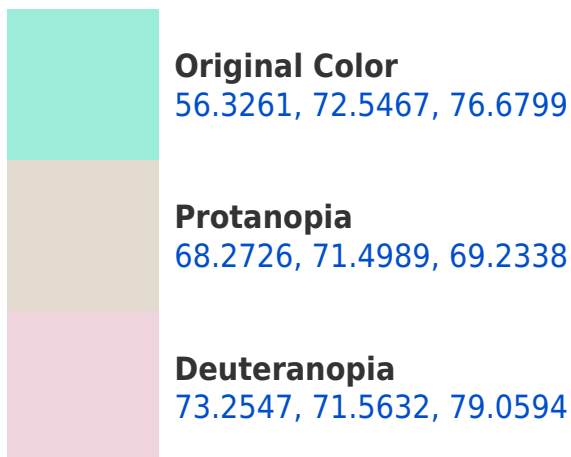
This preview shows how white text looks on a background with the XYZ color 56.3261, 72.5467,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





## Tritanopia

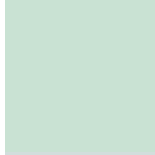
61.3735, 72.4648, 102.0192

# Trichromacy



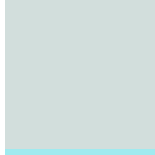
## Original Color

56.3261, 72.5467, 76.6799



## Protanomaly

63.0416, 71.5134, 72.1088



## Deuteranomaly

65.6179, 71.1115, 77.9776



## Tritanomaly

59.5000, 72.5512, 92.5292

# Monochromacy



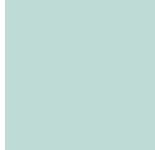
## Original Color

56.3261, 72.5467, 76.6799



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

58.8386, 66.9376, 72.7699

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.3261, 72.5467, 76.6799 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(155, 237, 217)` looks like.

```
.text, #text, p{  
    color:rgb(155, 237, 217)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(155, 237, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 237, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 56.3261, 72.5467, 76.6799 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 237, 217) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(155, 237, 217) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(155, 237, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 237, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 237, 217); box-shadow:4px 4px 4px 4px rgb(155, 237, 217) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.3261, 72.5467, 76.6799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 237, 217) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(155,  
237, 217) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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