

# Converting Colors

XYZ(56.6534, 70.9307, 91.8772)

Have a look what the booklet for  
XYZ(56.6534, 70.9307, 91.8772)  
contains.

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# Color

**XYZ(56.7095, 71.1297,  
91.6294)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92EAE6
RGB	146, 234, 238
RGB Percent	57%, 92%, 93%
CMY	0.4274, 0.0823, 0.0667
CMYK	0.39, 0.02, 0.00, 0.07
HSL	183°, 73%, 75%
HSV	183°, 39%, 93%
XYZ	56.7095, 71.1297, 91.6294
YIQ	208.1440, -53.7320, -17.4120

# Conversions

## Conversions Part 2

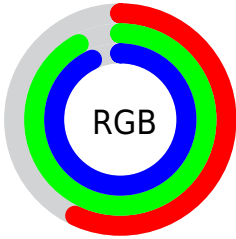
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 191, 238
Decimal	9628398
CIELab	87.55, -25.40, -10.29
CIELCh	88, 27.404, 202.059
Yxy	71.1297, 0.2584, 0.3241
Android (android.graphics.Color)	4287818478 (0xFF92EAEE)
YUV	208.1440, 14.7190, -54.5003
Hunter-Lab	84.3384, -27.5681, -5.3787

# Details

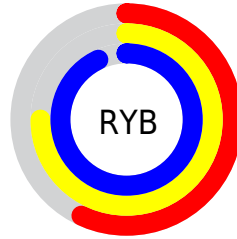
The XYZ color **56.7095, 71.1297, 91.6294** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.3556, 42.0660, 32.6086**, and the grayscale version is **59.9819, 63.1056, 68.7220**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **28.4837, 37.3420, 49.9625** is the 20% darker color. If you saturate the color by 10%, you get **52.6182, 68.5865, 91.3554**, and if you desaturate by 10%, it is **61.6874, 74.1360, 91.9485**.

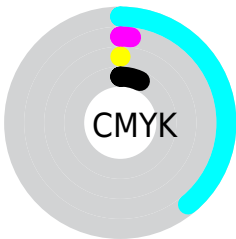
# Distribution



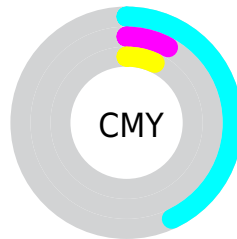
- Red (57%)
- Green (92%)
- Blue (93%)



- Red (57%)
- Yellow (75%)
- Blue (93%)



- Cyan (39%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (43%)
- Magenta (8%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7095, 71.1297, 91.6294 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 56.7095, 71.1297, 91.6294 by changing the saturation by 10% instead.



56.7095, 71.1297,  
91.6294

56.7095, 71.1297,  
91.6294

402.3917,  
464.5067, 554.0234

41.0113, 52.4480,  
68.7515

99.1750, 120.8184,  
151.5549

28.5156, 37.3623,  
50.0389

126.6730,  
152.5942, 189.4396

18.8571, 25.4882,  
35.0729

158.8349,  
189.5035, 233.1637

11.6705, 16.4411,  
23.4350

196.0262,  
231.9308, 283.1456

6.5903, 9.8368,  
14.7068

238.6122,  
280.2603, 339.8040

3.2513, 5.2909,  
8.4695

286.9582,

1.2880, 2.4189,

334.8766, 403.5574

4.3048

341.4295,  
396.1639, 474.8244

■ 0.1742, 0.8356,  
1.7940

■ 0.0000, 0.0000,  
0.4240

■ 56.7095, 71.1297,  
91.6294

■ 56.7095, 71.1297,  
91.6294

■ 52.6182, 68.5865,  
91.3554

■ 61.6874, 74.1360,  
91.9485

■ 49.3521, 66.4694,  
91.1189

■ 67.5959, 77.6228,  
92.3101

■ 46.8520, 64.7499,  
90.9187

■ 74.4836, 81.6170,  
92.7181

■ 45.0482, 63.3918,  
90.7517

■ 82.3939, 86.1410,  
93.1744

■ 43.8582, 62.3527,  
90.6138

■ 87.5906, 89.2686,  
93.5042

■ 43.1611, 61.5702,  
90.4995

■ 87.8945, 89.8765,  
93.6055

■ 43.0828, 61.4731,  
90.4849

■ 88.2002, 90.4878,  
93.7074

■ 88.5076, 91.1026,  
93.8098

■ 88.8167, 91.7209,  
93.9129

# Harmonies

## Analogous

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



56.0078, 71.1297, 72.6247



56.7095, 71.1297, 91.6294



60.2353, 71.1297, 109.1171

# Triad

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



56.7095, 71.1297, 91.6294



77.9109, 71.1297, 101.5112



69.3417, 71.1297, 47.2234

# Complementary

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



56.7095, 71.1297, 91.6294



51.3556, 42.0660, 32.6086

# 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.



75.5561, 71.1297, 52.5890



56.7095, 71.1297, 91.6294



80.7055, 71.1297, 82.4805

# Square

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



56.7095, 71.1297, 91.6294



72.3922, 71.1297, 115.4273



79.8173, 71.1297, 64.8112



63.0368, 71.1297, 48.8736

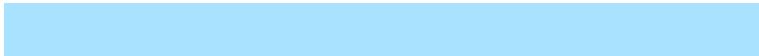


# Rectangle

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



56.7095, 71.1297, 91.6294



63.8427, 71.1297, 116.5748



79.8173, 71.1297, 64.8112



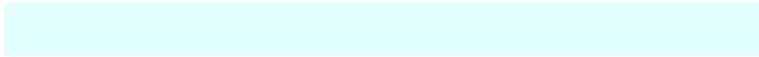
71.5157, 71.1297, 48.2316

# Sweetspot

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



56.7116, 71.1325, 91.6311



84.2519, 93.8059, 108.2735



47.8602, 69.4335, 39.3428



17.8042, 19.9456, 23.1615



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.



56.7116, 71.1325, 91.6311



62.6372, 80.9088, 106.9234



45.4715, 48.6522, 87.8843



16.1851, 17.8043, 20.3051



24.0612, 34.3467, 50.4893



2.0198, 2.8935, 4.2063



# Inverse Universe

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



60.3918, 44.6772, 83.2856



67.5256, 46.2470, 95.7305



59.9797, 59.3142, 35.4833



16.4229, 16.0189, 19.7830



27.4706, 13.2607, 41.9903

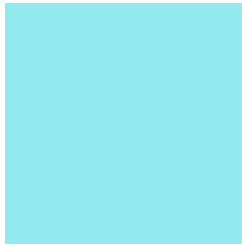


2.2944, 1.1068, 3.5413



# Previews

## White Background



This preview shows how the XYZ color 56.7095, 71.1297, 91.6294 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

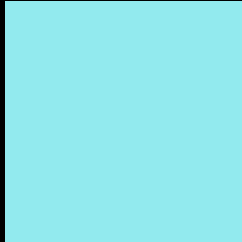
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.7095, 71.1297, 91.6294 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 56.7095, 71.1297, 91.6294

## Background



This preview shows how black text looks on a background with the XYZ color 56.7095, 71.1297, 91.6294.



This preview shows how white text looks on a background with the XYZ color 56.7095, 71.1297,



# 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



### Original Color

56.7095, 71.1297, 91.6294

### Protanopia

68.0299, 70.2872, 83.3800

### Deuteranopia

71.9668, 70.5535, 94.6192



## Tritanopia

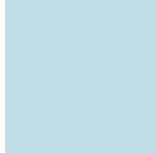
58.6636, 71.0678, 101.8923

# Trichromacy



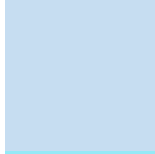
## Original Color

56.7095, 71.1297, 91.6294



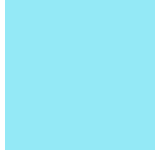
## Protanomaly

62.6914, 69.8080, 86.5140



## Deuteranomaly

65.0223, 70.0695, 93.3168



## Tritanomaly

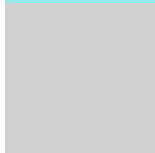
57.9862, 71.2275, 97.8809

# Monochromacy



## Original Color

56.7095, 71.1297, 91.6294



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

57.6066, 65.0545, 76.5384

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.7095, 71.1297, 91.6294 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(146, 234, 238)` looks like.

```
.text, #text, p{  
    color:rgb(146, 234, 238)  
}
```

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(146, 234, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 234, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 56.7095, 71.1297, 91.6294 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(146, 234, 238) }
```



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

```
.border{ border-color:rgb(146, 234, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 234, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 234, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 234, 238);  
box-shadow:4px 4px 4px 4px rgb(146, 234,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.7095, 71.1297, 91.6294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 234, 238) }
```

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

```
.background{ background-color: rgb(146,  
234, 238) }
```

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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