

Converting Colors

XYZ(113.7401, 156.9679,
243.0439)

Have a look what the booklet for
XYZ(113.7401, 156.9679, 243.0439)
contains.

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Color

**XYZ(56.3358, 80.0421,
107.0882)**

Conversions

Conversions Part 1

Format	Color
Hex	46FFFF
RGB	70, 255, 255
RGB Percent	27%, 100%, 100%
CMY	0.7254, 0.0000, 0.0000
CMYK	0.73, 0.00, 0.00, 0.00
HSL	180°, 100%, 64%
HSV	180°, 73%, 100%
XYZ	56.3358, 80.0421, 107.0882
YIQ	199.6850, -110.2600, -39.2200

Conversions

Conversions Part 2

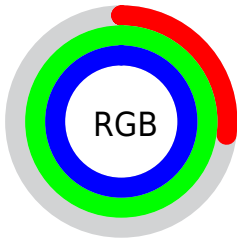
Format	Color
RYB	70, 163, 255
Decimal	4653055
CIELab	91.70, -44.24, -13.20
CIElCh	92, 46.165, 196.613
Yxy	80.0421, 0.2314, 0.3288
Android (android.graphics.Color)	4282843135 (0xFF46FFFF)
YUV	199.6850, 27.2703, -113.7337
Hunter-Lab	89.4663, -44.1667, -8.3418

Details

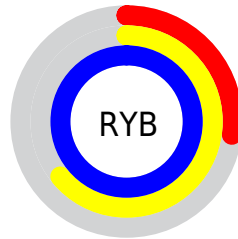
The XYZ color **56.3358, 80.0421, 107.0882** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.5369, 26.0843, 8.4839**, and the grayscale version is **54.5941, 57.4373, 62.5492**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **30.3871, 44.4654, 60.4072** is the 20% darker color. If you saturate the color by 10%, you get **54.8709, 79.2869, 107.0196**, and if you desaturate by 10%, it is **58.5828, 81.2005, 107.1934**.

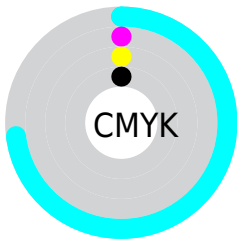
Distribution



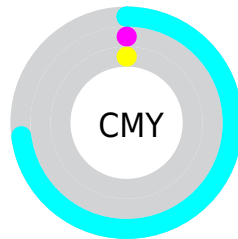
- Red (27%)
- Green (100%)
- Blue (100%)



- Red (27%)
- Yellow (64%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (73%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.3358, 80.0421, 107.0882 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 56.3358, 80.0421, 107.0882 by changing the saturation by 10% instead.


 56.3358, 80.0421,
107.0882


 56.3358, 80.0421,
107.0882


401.0103,
495.0747, 604.1266


 40.7103, 59.7530,
81.5835


 98.6323, 133.4249,
173.0009


 28.2794, 43.2196,
60.4885


 126.0341,
167.2874, 214.2460

 18.6779, 30.0574,
43.3846


 158.0919,
206.4432, 261.5749

 11.5404, 19.8822,
29.8534

 195.1712,
251.2766, 315.4063

 6.5015, 12.3094,
19.4762

237.6374,
302.1721, 376.1586

 3.1959, 6.9548,
11.8346

285.8557,

 1.2582, 3.4338,

359.5140, 444.2504

6.5100

340.1916,
423.6867, 520.1002

■ 0.1516, 1.3622,
3.0838

■ 0.0000, 0.1886,
1.1376

■ 56.3358, 80.0421,
107.0882

■ 56.3358, 80.0421,
107.0882

■ 54.8709, 79.2869,
107.0196

■ 58.5828, 81.2005,
107.1934

■ 54.0788, 78.8786,
106.9826

■ 61.6970, 82.8059,
107.3391

■ 53.8100, 78.7400,
106.9700

■ 65.7555, 84.8981,
107.5290

■ 70.8261, 87.5121,
107.7663

■ 76.9706, 90.6797,
108.0539

■ 84.2455, 94.4301,
108.3944

■ 92.7036, 98.7904,
108.7902

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



56.0655, 80.0421, 72.9529



56.3358, 80.0421, 107.0882



61.5281, 80.0421, 143.4373

Triad

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



56.3358, 80.0421, 107.0882



93.7921, 80.0421, 139.8602



81.4542, 80.0421, 37.9792

Complementary

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



56.3358, 80.0421, 107.0882



44.5369, 26.0843, 8.4839

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.



92.7570, 80.0421, 47.9356



56.3358, 80.0421, 107.0882



100.3615, 80.0421, 103.0839

Square

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



56.3358, 80.0421, 107.0882



82.7528, 80.0421, 165.4544



99.9643, 80.0421, 69.8581



69.7714, 80.0421, 38.5263

Rectangle

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



56.3358, 80.0421, 107.0882



67.4197, 80.0421, 161.4597



99.9643, 80.0421, 69.8581



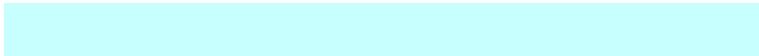
85.4467, 80.0421, 40.0707

Sweetspot

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



56.3367, 80.0426, 107.0882



77.3367, 90.8684, 108.0710



39.3926, 73.2649, 17.8619



16.1696, 19.2518, 23.1137



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.



56.3367, 80.0426, 107.0882



54.4420, 79.0658, 106.9996



33.5865, 34.5421, 99.5048



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422

Inverse Universe

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



61.4810, 32.8620, 97.7103



59.8380, 29.5761, 97.1627



55.3557, 47.7219, 12.0902



18.7928, 18.3004, 22.7918



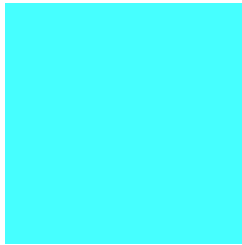
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 56.3358, 80.0421, 107.0882 looks on a white background.

Color Contrast Check

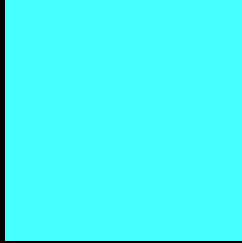
Large Text (above 18pt) WCAG AA × Fail

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 56.3358, 80.0421, 107.0882 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

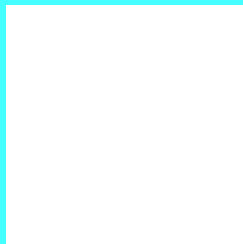
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.3358, 80.0421, 107.0882

Background



This preview shows how black text looks on a background with the XYZ color 56.3358, 80.0421, 107.0882.

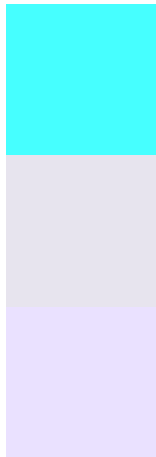


This preview shows how white text looks on a background with the XYZ color 56.3358, 80.0421,

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

56.3358, 80.0421, 107.0882

Protanopia

76.1310, 78.6488, 92.0571

Deuteranopia

78.9069, 78.5629, 105.6130



Tritanopia

65.8265, 79.4282, 106.4695

Trichromacy



Original Color

56.3358, 80.0421, 107.0882



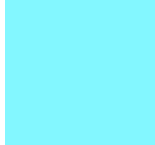
Protanomaly

63.9169, 76.4514, 96.9758



Deuteranomaly

65.5010, 76.2096, 105.8654



Tritanomaly

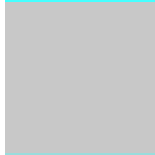
60.6708, 78.5668, 106.5750

Monochromacy



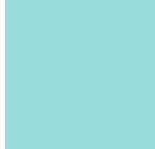
Original Color

56.3358, 80.0421, 107.0882



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.6483, 63.1260, 77.1725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3358, 80.0421, 107.0882 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(70, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(70, 255, 255)  
}
```

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(70, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.3358, 80.0421, 107.0882 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(70, 255, 255) }
```


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

```
.border{ border-color:rgb(70, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(70, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3358, 80.0421, 107.0882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 255, 255) }
```

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

```
.background{ background-color: rgb(70, 255,  
255) }
```

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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