

Converting Colors

XYZ(90.9247, 92.4403,
290.1677)

Have a look what the booklet for
XYZ(90.9247, 92.4403, 290.1677)
contains.

XYZ(56.0849, 78.5031, 106.8044)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.0849, 78.5031,
106.8044)**

Conversions

Conversions Part 1

Format	Color
Hex	4FFCFF
RGB	79, 252, 255
RGB Percent	31%, 99%, 100%
CMY	0.6902, 0.0117, 0.0000
CMYK	0.69, 0.01, 0.00, 0.00
HSL	181°, 100%, 65%
HSV	181°, 69%, 100%
XYZ	56.0849, 78.5031, 106.8044
YIQ	200.6150, -104.0710, -35.7430

Conversions

Conversions Part 2

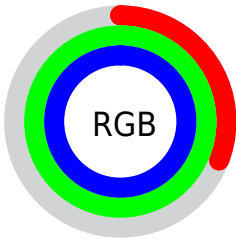
Format	Color
RYB	79, 166, 255
Decimal	5242111
CIELab	91.01, -41.87, -14.22
CIELCh	91, 44.217, 198.761
Yxy	78.5031, 0.2323, 0.3252
Android (android.graphics.Color)	4283432191 (0xFF4FFCFF)
YUV	200.6150, 26.8118, -106.6564
Hunter-Lab	88.6020, -42.0633, -9.4492

Details

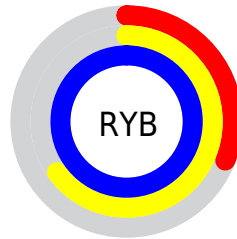
The XYZ color **56.0849, 78.5031, 106.8044** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **45.6696, 27.8605, 10.3699**, and the grayscale version is **55.1676, 58.0406, 63.2063**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **29.7081, 43.1074, 60.1809** is the 20% darker color. If you saturate the color by 10%, you get **54.2206, 77.3416, 106.6784**, and if you desaturate by 10%, it is **58.7666, 80.0899, 106.9693**.

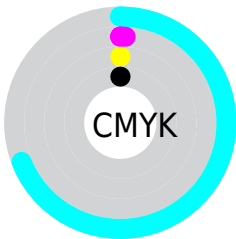
Distribution



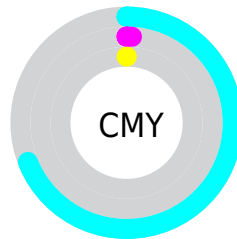
- Red (31%)
- Green (99%)
- Blue (100%)



- Red (31%)
- Yellow (65%)
- Blue (100%)



- Cyan (69%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (69%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0849, 78.5031, 106.8044 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 56.0849, 78.5031, 106.8044 by changing the saturation by 10% instead.


 56.0849, 78.5031,
106.8044


 56.0849, 78.5031,
106.8044


400.0812,
489.8737, 603.2268


 40.5083, 58.4874,
81.3468

 98.2678, 131.2591,
172.6101


 28.1210, 42.2006,
60.2946


 125.6048,
164.7681, 213.7953

 18.5578, 29.2584,
43.2293


 157.5925,
203.5437, 261.0601

 11.4533, 19.2764,
29.7323

 194.5965,
247.9702, 314.8230

 6.4421, 11.8701,
19.3852

236.9820,
298.4321, 375.5026

 3.1589, 6.6553,
11.7693

285.1144,

 1.2384, 3.2475,

355.3137, 443.5174

6.4662

339.3590,
418.9995, 519.2860

0.1363, 1.2623,
3.0572

0.0000, 0.1117,
1.1239

56.0849, 78.5031,
106.8044

56.0849, 78.5031,
106.8044

54.2206, 77.3416,
106.6784

58.7666, 80.0899,
106.9693

53.0687, 76.5461,
106.5856

62.3426, 82.1365,
107.1759

52.4854, 76.0441,
106.5195

66.8880, 84.6833,
107.4279

52.4406, 76.0012,
106.5135

72.4682, 87.7641,
107.7284

■ 79.1431, 91.4096,
108.0803

■ 86.9678, 95.6483,
108.4860

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.



55.4847, 78.5031, 74.0493



56.0849, 78.5031, 106.8044



61.3444, 78.5031, 140.5175

Triad

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



56.0849, 78.5031, 106.8044



91.9420, 78.5031, 132.7257



78.8759, 78.5031, 38.2581

Complementary

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



56.0849, 78.5031, 106.8044



45.6696, 27.8605, 10.3699

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.



89.6732, 78.5031, 47.0920



56.0849, 78.5031, 106.8044



97.7028, 78.5031, 98.0228

Square

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



56.0849, 78.5031, 106.8044



81.7313, 78.5031, 157.8708



96.8334, 78.5031, 67.1956



67.9240, 78.5031, 39.4921

Rectangle

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



56.0849, 78.5031, 106.8044



67.1080, 78.5031, 156.5062



96.8334, 78.5031, 67.1956



82.6616, 78.5031, 40.0379

Sweetspot

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



56.0870, 78.5059, 106.8048



77.7284, 90.6396, 108.0062



40.5063, 73.7911, 20.0798



16.2318, 19.1796, 23.0965



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.



56.0870, 78.5059, 106.8048



53.6822, 76.9836, 106.6377



34.5639, 35.4597, 99.6304



18.5268, 20.4252, 23.2159



27.4134, 39.7365, 55.6596



2.6773, 3.8853, 5.4221

Inverse Universe

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



61.6081, 33.8822, 95.3914



59.5919, 30.0034, 94.2453



57.0150, 50.5512, 14.1517



18.7786, 18.2947, 22.7170



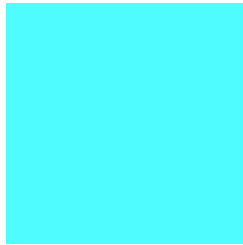
30.6252, 14.7394, 48.8044



2.9860, 1.4368, 4.7736

Previews

White Background



This preview shows how the XYZ color 56.0849, 78.5031, 106.8044 looks on a white background.

Color Contrast Check

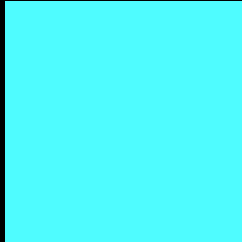
Large Text (above 18pt) WCAG AA × Fail

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 56.0849, 78.5031, 106.8044 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 56.0849, 78.5031, 106.8044

Background



This preview shows how black text looks on a background with the XYZ color 56.0849, 78.5031, 106.8044.



This preview shows how white text looks on a background with the XYZ color 56.0849, 78.5031,

Color Blindness Simulation

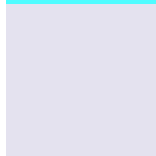
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



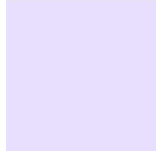
Original Color

56.0849, 78.5031, 106.8044



Protanopia

74.7713, 77.1187, 92.6059



Deuteranopia

77.7164, 77.1512, 105.4033



Tritanopia

63.9027, 77.9934, 106.2939

Trichromacy



Original Color

56.0849, 78.5031, 106.8044



Protanomaly

63.6453, 75.0079, 97.5097



Deuteranomaly

65.3773, 75.2957, 105.6955



Tritanomaly

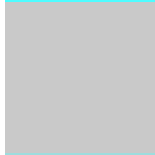
60.0590, 77.7987, 106.4589

Monochromacy



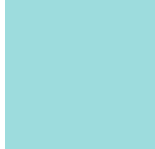
Original Color

56.0849, 78.5031, 106.8044



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.5490, 63.5750, 77.9082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0849, 78.5031, 106.8044 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(79, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 252, 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(79, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.0849, 78.5031, 106.8044 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(79, 252, 255) }
```


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

```
.border{ border-color:rgb(79, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0849, 78.5031, 106.8044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 252, 255) }
```

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

```
.background{ background-color: rgb(79, 252,  
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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