

Converting Colors

XYZ(72.8888, 100.0000,
154.3783)

Have a look what the booklet for
XYZ(72.8888, 100.0000, 154.3783)
contains.

XYZ(56.0568, 79.8983, 107.0751)	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(56.0568, 79.8983,
107.0751)**

Conversions

Conversions Part 1

Format	Color
Hex	42FFFF
RGB	66, 255, 255
RGB Percent	26%, 100%, 100%
CMY	0.7411, 0.0000, 0.0000
CMYK	0.74, 0.00, 0.00, 0.00
HSL	180°, 100%, 63%
HSV	180°, 74%, 100%
XYZ	56.0568, 79.8983, 107.0751
YIQ	198.4890, -112.6440, -40.0680

Conversions

Conversions Part 2

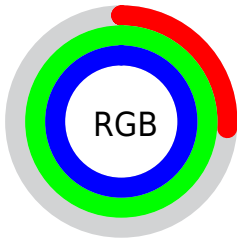
Format	Color
RYB	66, 161, 255
Decimal	4390911
CIELab	91.64, -44.65, -13.30
CIELCh	92, 46.593, 196.588
Yxy	79.8983, 0.2307, 0.3288
Android (android.graphics.Color)	4282580991 (0xFF42FFFF)
YUV	198.4890, 27.8599, -116.1929
Hunter-Lab	89.3858, -44.4820, -8.4533

Details

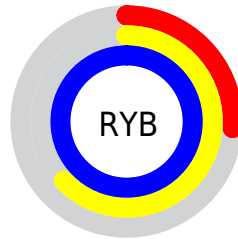
The XYZ color **56.0568, 79.8983, 107.0751** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.1728, 25.5516, 7.7602**, and the grayscale version is **53.8609, 56.6658, 61.7091**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **30.3871, 44.4654, 60.4072** is the 20% darker color. If you saturate the color by 10%, you get **54.7052, 79.2015, 107.0119**, and if you desaturate by 10%, it is **58.1753, 80.9904, 107.1743**.

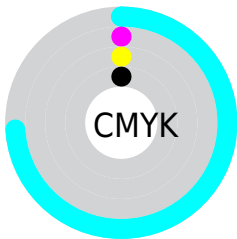
Distribution



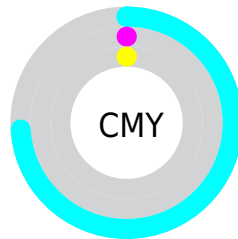
- Red (26%)
- Green (100%)
- Blue (100%)



- Red (26%)
- Yellow (63%)
- Blue (100%)



- Cyan (74%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0568, 79.8983, 107.0751 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 56.0568, 79.8983, 107.0751 by changing the saturation by 10% instead.


 56.0568, 79.8983,
107.0751


 56.0568, 79.8983,
107.0751

399.9771,
494.5900, 604.0850


 40.4856, 59.6347,
81.5725


 98.2269, 133.2227,
172.9829


 28.1033, 43.1242,
60.4795


 125.5567,
167.0523, 214.2252

 18.5444, 29.9826,
43.3774

 157.5366,
206.1727, 261.5512

 11.4436, 19.8254,
29.8478

 194.5321,
250.9683, 315.3794

 6.4355, 12.2682,
19.4720

236.9085,
301.8234, 376.1283

 3.1548, 6.9266,
11.8316

285.0313,

 1.2362, 3.4162,

359.1224, 444.2166

6.5079

339.2657,
423.2499, 520.0626

■ 0.1346, 1.3527,
3.0826

■ 0.0000, 0.1815,
1.1370

■ 56.0568, 79.8983,
107.0751

■ 56.0568, 79.8983,
107.0751

■ 54.7052, 79.2015,
107.0119

■ 58.1753, 80.9904,
107.1743

■ 54.0072, 78.8417,
106.9792

■ 61.1480, 82.5229,
107.3134

■ 53.8100, 78.7400,
106.9700

■ 65.0538, 84.5364,
107.4962

■ 69.9615, 87.0664,
107.7259

■ 75.9337, 90.1452,
108.0054

■ 83.0277, 93.8023,
108.3374

■ 91.2969, 98.0652,
108.7244

■ 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.



55.7891, 79.8983, 72.6656



56.0568, 79.8983, 107.0751



61.2779, 79.8983, 143.8031

Triad

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



56.0568, 79.8983, 107.0751



93.8030, 79.8983, 140.2421



81.3722, 79.8983, 37.5572

Complementary

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



56.0568, 79.8983, 107.0751



44.1728, 25.5516, 7.7602

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.



92.7743, 79.8983, 47.5503



56.0568, 79.8983, 107.0751



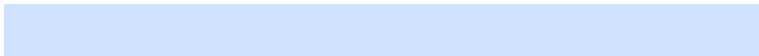
100.4408, 79.8983, 103.0958

Square

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



56.0568, 79.8983, 107.0751



82.6618, 79.8983, 166.1138



100.0458, 79.8983, 69.5979



69.5946, 79.8983, 38.0968

Rectangle

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



56.0568, 79.8983, 107.0751



67.2082, 79.8983, 162.0423



100.0458, 79.8983, 69.5979



85.3991, 79.8983, 39.6557

Sweetspot

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



56.0577, 79.8987, 107.0752



77.3367, 90.8684, 108.0710



38.9915, 73.0723, 17.2058



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.



56.0577, 79.8987, 107.0752



54.2903, 78.9876, 106.9925



32.9566, 33.6965, 99.3748



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.



61.2390, 32.3781, 97.6297



59.7064, 29.3129, 97.1188



54.8827, 46.9713, 11.3302



18.7928, 18.3004, 22.7918



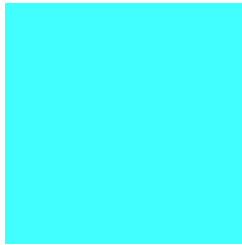
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 56.0568, 79.8983, 107.0751 looks on a white background.

Color Contrast Check

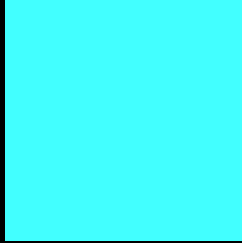
Large Text (above 18pt) WCAG AA × Fail

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 56.0568, 79.8983, 107.0751 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

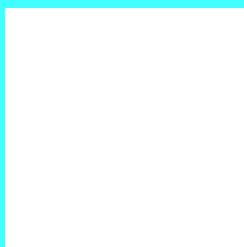
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.0568, 79.8983, 107.0751

Background



This preview shows how black text looks on a background with the XYZ color 56.0568, 79.8983, 107.0751.



This preview shows how white text looks on a background with the XYZ color 56.0568, 79.8983,

Color Blindness Simulation

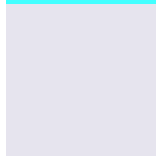
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



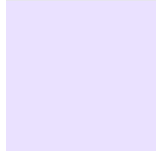
Original Color

56.0568, 79.8983, 107.0751



Protanopia

75.8091, 78.4828, 92.0421



Deuteranopia

78.9069, 78.5629, 105.6130



Tritanopia

65.6176, 79.3205, 106.4597

Trichromacy



Original Color

56.0568, 79.8983, 107.0751



Protanomaly

63.4812, 76.2268, 96.9554



Deuteranomaly

65.2790, 76.0951, 105.8550



Tritanomaly

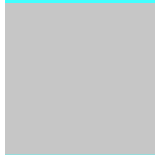
60.3640, 78.4087, 106.5606

Monochromacy



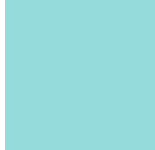
Original Color

56.0568, 79.8983, 107.0751



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.6954, 62.2615, 76.3636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0568, 79.8983, 107.0751 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(66, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(66, 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(66, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.0568, 79.8983, 107.0751 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(66, 255, 255) }
```


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

```
.border{ border-color:rgb(66, 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(66, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(66, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0568, 79.8983, 107.0751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 255, 255) }
```

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

```
.background{ background-color: rgb(66, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor