

Converting Colors

XYZ(71.2510, 100.0000,
136.5125)

Have a look what the booklet for
XYZ(71.2510, 100.0000, 136.5125)
contains.

XYZ(57.5563, 80.6713, 107.1453)	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(57.5563, 80.6713,
107.1453)**

Conversions

Conversions Part 1

Format	Color
Hex	55FFFF
RGB	85, 255, 255
RGB Percent	33%, 100%, 100%
CMY	0.6666, 0.0000, 0.0000
CMYK	0.67, 0.00, 0.00, 0.00
HSL	180°, 100%, 67%
HSV	180°, 67%, 100%
XYZ	57.5563, 80.6713, 107.1453
YIQ	204.1700, -101.3200, -36.0400

Conversions

Conversions Part 2

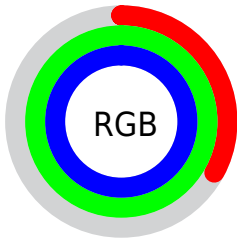
Format	Color
RYB	85, 170, 255
Decimal	5636095
CIELab	91.99, -42.44, -12.75
CIElCh	92, 44.313, 196.720
Yxy	80.6713, 0.2346, 0.3288
Android (android.graphics.Color)	4283826175 (0xFF55FFFF)
YUV	204.1700, 25.0592, -104.5121
Hunter-Lab	89.8172, -42.7945, -7.8566

Details

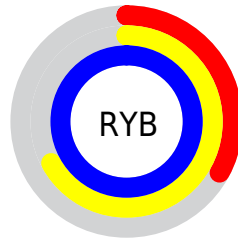
The XYZ color **57.5563, 80.6713, 107.1453** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **46.1294, 28.4146, 11.6497**, and the grayscale version is **57.3957, 60.3847, 65.7590**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **30.3871, 44.4654, 60.4072** is the 20% darker color. If you saturate the color by 10%, you get **55.6440, 79.6855, 107.0558**, and if you desaturate by 10%, it is **60.3041, 82.0878, 107.2739**.

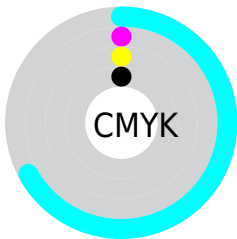
Distribution



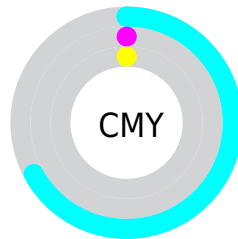
- Red (33%)
- Green (100%)
- Blue (100%)



- Red (33%)
- Yellow (67%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.5563, 80.6713, 107.1453 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 57.5563, 80.6713, 107.1453 by changing the saturation by 10% instead.

 57.5563, 80.6713,
107.1453


 57.5563, 80.6713,
107.1453


405.5111,
497.1923, 604.3075


 41.6939, 60.2709,
81.6311


 100.4031,
134.3091, 173.0795


 29.0518, 43.6370,
60.5275


 128.1183,
168.3154, 214.3367

 19.2645, 30.3853,
43.4159


 160.5151,
207.6257, 261.6785

 11.9667, 20.1312,
29.8777

 197.9589,
252.6245, 315.5236

 6.7930, 12.4905,
19.4945

240.8150,
303.6962, 376.2905

 3.3782, 7.0786,
11.8477

289.4489,

 1.3568, 3.5113,

361.2251, 444.3978

6.5188

344.2258,
425.5957, 520.2639

■ 0.2251, 1.4041,
3.0892

■ 0.0000, 0.2198,
1.1404

■ 57.5563, 80.6713,
107.1453

■ 57.5563, 80.6713,
107.1453

■ 55.6440, 79.6855,
107.0558

■ 60.3041, 82.0878,
107.2739

■ 54.4700, 79.0803,
107.0009

■ 63.9650, 83.9751,
107.4452

■ 53.9165, 78.7949,
106.9750

■ 68.6109, 86.3702,
107.6627

■ 53.8100, 78.7400,
106.9700

■ 74.3060, 89.3061,
107.9292

■ 81.1086, 92.8130,
108.2476

■ 89.0733, 96.9189,
108.6203

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.



57.2757, 80.6713, 74.2040



57.5563, 80.6713, 107.1453



62.6208, 80.6713, 141.8662

Triad

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



57.5563, 80.6713, 107.1453



93.7494, 80.6713, 138.2320



81.8168, 80.6713, 39.8441

Complementary

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



57.5563, 80.6713, 107.1453



46.1294, 28.4146, 11.6497

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.



92.6903, 80.6713, 49.6320



57.5563, 80.6713, 107.1453



100.0255, 80.6713, 103.0460

Square

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



57.5563, 80.6713, 107.1453



83.1503, 80.6713, 162.6365



99.6197, 80.6713, 71.0005



70.5461, 80.6713, 40.4223

Rectangle

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



57.5563, 80.6713, 107.1453



68.3421, 80.6713, 158.9636



99.6197, 80.6713, 71.0005



85.6605, 80.6713, 41.9030

Sweetspot

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



57.5572, 80.6718, 107.1454



78.7118, 91.5774, 108.1354



41.1473, 74.1078, 20.7320



16.4367, 19.3895, 23.1262



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.



57.5572, 80.6718, 107.1454



55.1752, 79.4438, 107.0339



36.1729, 37.9031, 100.0173



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.



62.5393, 34.9786, 98.0631



60.4738, 30.8477, 97.3746



57.2558, 50.6674, 15.3585



18.7928, 18.3004, 22.7918



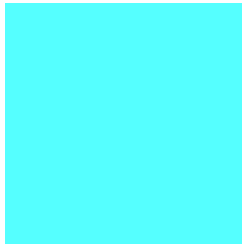
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 57.5563, 80.6713, 107.1453 looks on a white background.

Color Contrast Check

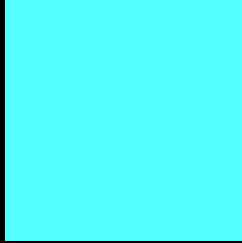
Large Text (above 18pt) WCAG AA × Fail

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 57.5563, 80.6713, 107.1453 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 57.5563, 80.6713, 107.1453

Background



This preview shows how black text looks on a background with the XYZ color 57.5563, 80.6713, 107.1453.

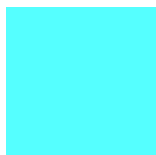


This preview shows how white text looks on a background with the XYZ color 57.5563, 80.6713,

Color Blindness Simulation

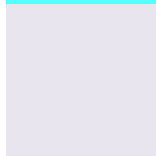
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



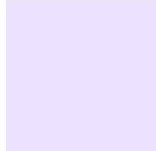
Original Color

57.5563, 80.6713, 107.1453



Protanopia

76.8780, 79.4264, 92.9403



Deuteranopia

79.8384, 79.4456, 105.7343



Tritanopia

66.8952, 79.9791, 106.5195

Trichromacy



Original Color

57.5563, 80.6713, 107.1453



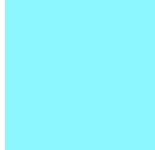
Protanomaly

65.6464, 77.3253, 97.8516



Deuteranomaly

67.3902, 77.6121, 106.0365



Tritanomaly

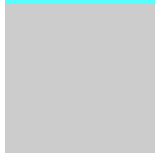
62.1260, 79.3170, 106.6431

Monochromacy



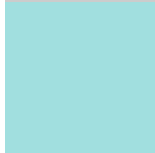
Original Color

57.5563, 80.6713, 107.1453



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.4049, 65.6801, 79.6221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.5563, 80.6713, 107.1453 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(85, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(85, 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(85, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.5563, 80.6713, 107.1453 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(85, 255, 255) }
```


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

```
.border{ border-color:rgb(85, 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(85, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(85, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.5563, 80.6713, 107.1453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 255, 255) }
```

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

```
.background{ background-color: rgb(85, 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