

Converting Colors

XYZ(56.5551, 80.5247, 90.4040)

Have a look what the booklet for
XYZ(56.5551, 80.5247, 90.4040)
contains.

XYZ(56.5551, 80.5247, 90.4040)	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(56.5551, 80.5247,
90.4040)**

Conversions

Conversions Part 1

Format	Color
Hex	6AFFEA
RGB	106, 255, 234
RGB Percent	42%, 100%, 92%
CMY	0.5843, 0.0000, 0.0823
CMYK	0.58, 0.00, 0.08, 0.00
HSL	172°, 100%, 71%
HSV	172°, 58%, 100%
XYZ	56.5551, 80.5247, 90.4040
YIQ	208.0550, -82.0630, -38.1190

Conversions

Conversions Part 2

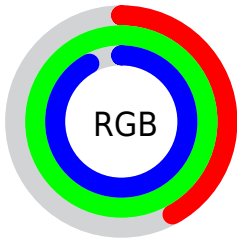
Format	Color
RYB	106, 186, 255
Decimal	7012330
CIELab	91.92, -44.62, -1.91
CIElCh	92, 44.665, 182.449
Yxy	80.5247, 0.2486, 0.3540
Android (android.graphics.Color)	4285202410 (0xFF6AFFEA)
YUV	208.0550, 12.7909, -89.5022
Hunter-Lab	89.7356, -44.5391, 3.0832

Details

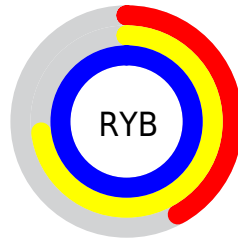
The XYZ color **56.5551, 80.5247, 90.4040** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **50.2256, 33.1016, 23.8220**, and the grayscale version is **59.9482, 63.0702, 68.6834**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **28.4794, 43.7311, 49.0594** is the 20% darker color. If you saturate the color by 10%, you get **53.4514, 78.9837, 87.5920**, and if you desaturate by 10%, it is **60.5718, 82.5351, 93.3162**.

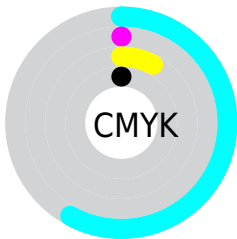
Distribution



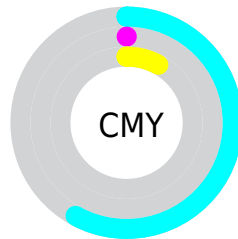
- Red (42%)
- Green (100%)
- Blue (92%)



- Red (42%)
- Yellow (73%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.5551, 80.5247, 90.4040 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 56.5551, 80.5247, 90.4040 by changing the saturation by 10% instead.


 56.5551, 80.5247,
90.4040


 56.5551, 80.5247,
90.4040


401.8213,
496.6994, 549.9481


 40.8869, 60.1502,
67.7402


 98.9508, 134.1032,
149.8399

 28.4180, 43.5397,
49.2210


 126.4091,
168.0760, 187.4490

 18.7831, 30.3088,
34.4280


 158.5281,
207.3503, 230.8769

 11.6167, 20.0731,
22.9426

195.6731,
252.3106, 280.5422

 6.5536, 12.4482,
14.3462

238.2096,
303.3413, 336.8635

 3.2283, 7.0497,
8.2204

286.5029,

 1.2756, 3.4932,

360.8267, 400.2592

4.1465

340.9184,
425.1513, 471.1479

■ 0.1649, 1.3943,
1.7060

■ 0.0000, 0.2125,
0.3649

■ 56.5551, 80.5247,
90.4040

■ 56.5551, 80.5247,
90.4040

■ 53.4514, 78.9837,
87.5920

■ 60.5718, 82.5351,
93.3162

■ 51.1754, 77.8682,
84.8716


■ 65.5712, 85.0509,
96.3280


■ 49.6302, 77.1283,
82.2396

■ 71.6194, 88.1061,
99.4442

■ 48.6790, 76.6934,
79.6890

■ 78.7758, 91.7314,
102.6679

 48.5544, 76.6378,
79.2944

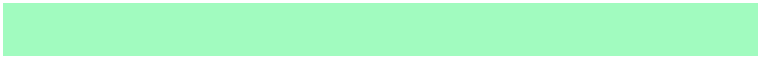
 87.0956, 95.9553,
106.0019

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.



58.6063, 80.5247, 61.5958



56.5551, 80.5247, 90.4040



59.3985, 80.5247, 126.1069

Triad

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



56.5551, 80.5247, 90.4040



88.9856, 80.5247, 152.4818



87.1932, 80.5247, 42.7661

Complementary

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



56.5551, 80.5247, 90.4040



50.2256, 33.1016, 23.8220

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.



96.6891, 80.5247, 57.9755



56.5551, 80.5247, 90.4040



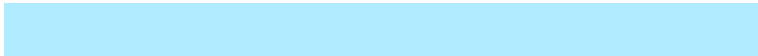
97.7944, 80.5247, 120.2447

Square

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



56.5551, 80.5247, 90.4040



77.4824, 80.5247, 167.0990



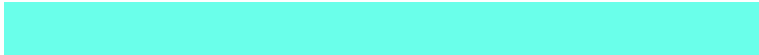
100.7436, 80.5247, 85.0068



75.5979, 80.5247, 38.5145

Rectangle

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



56.5551, 80.5247, 90.4040



63.8706, 80.5247, 147.8677



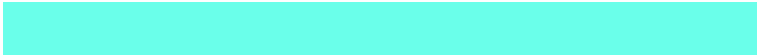
100.7436, 80.5247, 85.0068



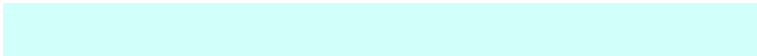
90.7746, 80.5247, 46.5414

Sweetspot

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



56.5561, 80.5251, 90.4054



79.1086, 91.9002, 102.8087



47.3174, 77.1775, 26.0401



16.4585, 19.4301, 21.8018



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.



56.5561, 80.5251, 90.4054



53.0413, 78.7814, 87.1586



45.3155, 52.9265, 102.4352



18.4383, 20.4348, 22.6109



25.4131, 40.0618, 41.6559



2.5033, 3.9123, 4.2082

Inverse Universe

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



50.2256, 33.1016, 23.8220



46.2403, 27.4506, 15.3426



56.0949, 46.8069, 19.7153



18.1136, 18.0288, 19.2155



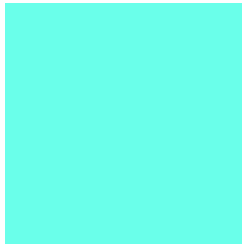
21.7461, 11.1877, 2.0474



2.1474, 1.1013, 0.3574

Previews

White Background



This preview shows how the XYZ color 56.5551, 80.5247, 90.4040 looks on a white background.

Color Contrast Check

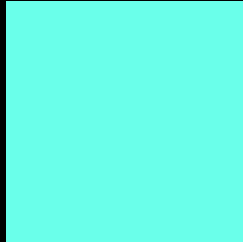
Large Text (above 18pt) WCAG AA × Fail

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 56.5551, 80.5247, 90.4040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

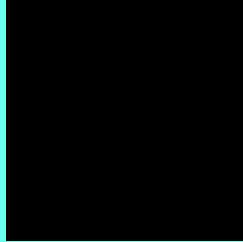
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.5551, 80.5247, 90.4040

Background



This preview shows how black text looks on a background with the XYZ color 56.5551, 80.5247, 90.4040.

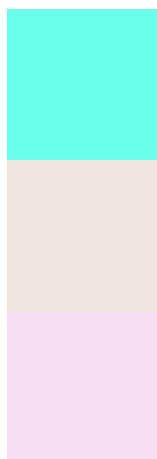


This preview shows how white text looks on a background with the XYZ color 56.5551, 80.5247,

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

56.5551, 80.5247, 90.4040

Protanopia

75.7305, 79.1576, 78.3054

Deuteranopia

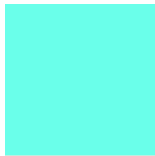
80.6226, 78.9004, 94.1991



Tritanopia

67.2577, 79.7229, 106.4510

Trichromacy



Original Color

56.5551, 80.5247, 90.4040



Protanomaly

65.0153, 77.3497, 82.0243



Deuteranomaly

67.9059, 77.3255, 92.2352



Tritanomaly

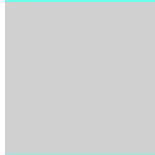
62.4437, 79.6265, 100.0740

Monochromacy



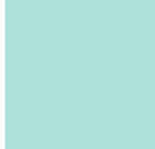
Original Color

56.5551, 80.5247, 90.4040



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

56.2442, 67.5181, 75.7136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5551, 80.5247, 90.4040 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(106, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(106, 255, 234)  
}
```

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(106, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 56.5551, 80.5247, 90.4040 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(106, 255, 234) }
```


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

```
.border{ border-color:rgb(106, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5551, 80.5247, 90.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 234) }
```

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

```
.background{ background-color: rgb(106,  
255, 234) }
```

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