

Converting Colors

XYZ(27.7255, 33.1394, 57.3689)

Have a look what the booklet for
XYZ(27.7255, 33.1394, 57.3689)
contains.

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Color

**XYZ(27.6354, 33.0694,
57.1511)**

Conversions

Conversions Part 1

Format	Color
Hex	5AA5C4
RGB	90, 165, 196
RGB Percent	35%, 65%, 77%
CMY	0.6470, 0.3529, 0.2314
CMYK	0.54, 0.16, 0.00, 0.23
HSL	198°, 47%, 56%
HSV	198°, 54%, 77%
XYZ	27.6354, 33.0694, 57.1511
YIQ	146.1090, -54.6510, -6.2590

Conversions

Conversions Part 2

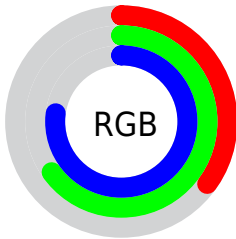
Format	Color
R _Y B	90, 134, 196
Decimal	5940676
CIE Lab	64.22, -14.52, -23.03
CIE LCh	64, 27.222, 237.763
Yxy	33.0694, 0.2345, 0.2806
Android (android.graphics.Color)	4284130756 (0xFF5AA5C4)
YUV	146.1090, 24.5963, -49.2076
Hunter-Lab	57.5060, -14.8546, -18.6699

Details

The XYZ color **27.6354, 33.0694, 57.1511** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **31.4488, 26.1500, 13.0640**, and the grayscale version is **27.2857, 28.7067, 31.2616**.

A 20% lighter version of the original color is **55.3554, 64.4813, 102.4571**, and **11.1643, 13.9574, 27.6968** is the 20% darker color. If you saturate the color by 10%, you get **24.9637, 30.1921, 56.7372**, and if you desaturate by 10%, it is **30.8582, 36.3009, 57.6056**.

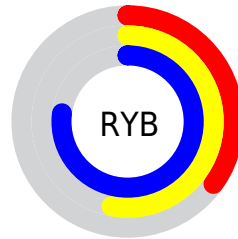
Distribution



Red (35%)

Green (65%)

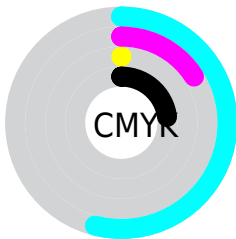
Blue (77%)



Red (35%)

Yellow (53%)

Blue (77%)

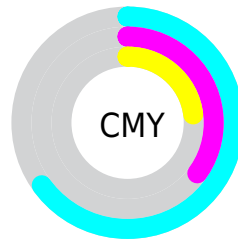


Cyan (54%)

Magenta (16%)

Yellow (0%)

Black (23%)



Cyan (65%)

Magenta (35%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6354, 33.0694, 57.1511 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 27.6354, 33.0694, 57.1511 by changing the saturation by 10% instead.

■ 27.6354, 33.0694,
57.1511

■ 27.6354, 33.0694,
57.1511

282.8324,
315.9623, 431.5248

■ 18.1900, 22.1796,
40.7164

■ 55.3145, 64.4839,
102.1882

■ 11.1870, 13.9889,
27.7795

■ 74.2790, 85.7773,
131.6276

■ 6.2610, 8.1130,
17.9219

■ 97.1473, 111.3075,
166.2390

■ 3.0466, 4.1673,
10.7251

■ 124.2847,
141.4587, 206.4409

■ 1.1784, 1.7676,
5.7705

156.0565,
176.6154, 252.6520

■ 0.0893, 0.4669,
2.6395

192.8282,

■ 0.0000, 0.0000,

217.1620, 305.2906

0.9127

234.9650,
263.4828, 364.7754

■ 0.0000, 0.0000,
0.0000

■ 27.6354, 33.0694,
57.1511

■ 27.6354, 33.0694,
57.1511

■ 24.9637, 30.1921,
56.7372

■ 30.8582, 36.3009,
57.6056

■ 22.7989, 27.6434,
56.3593

■ 34.6655, 39.9028,
58.1002

■ 21.0947, 25.3991,
56.0159

■ 39.0916, 43.8942,
58.6373

■ 19.7941, 23.4289,
55.7042

■ 44.1674, 48.2919,
59.2186

■ 19.1503, 22.3583,
55.5315

■ 49.9213, 53.1114,
59.8456

■ 56.3802, 58.3673,
60.5197

■ 63.5693, 64.0735,
61.2422

■ 71.5128, 70.2432,
62.0144

■ 75.9116, 74.6609,
62.6352

Harmonies

Analogous

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



25.3093, 33.0694, 46.8466



27.6354, 33.0694, 57.1511



31.1426, 33.0694, 61.7045

Triad

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



27.6354, 33.0694, 57.1511



39.4486, 33.0694, 36.8432



28.0986, 33.0694, 20.2797

Complementary

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



27.6354, 33.0694, 57.1511



31.4488, 26.1500, 13.0640

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.



31.7221, 33.0694, 18.6663



27.6354, 33.0694, 57.1511



38.4690, 33.0694, 26.9834

Square

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



27.6354, 33.0694, 57.1511



38.1384, 33.0694, 48.5807



35.5602, 33.0694, 20.8509



25.5609, 33.0694, 25.8147

Rectangle

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



27.6354, 33.0694, 57.1511



33.7512, 33.0694, 60.2872



35.5602, 33.0694, 20.8509



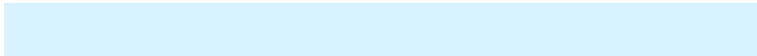
29.2206, 33.0694, 19.3173

Sweetspot

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



27.6365, 33.0706, 57.1519



77.9109, 85.6881, 107.0409



27.3496, 43.0113, 24.6418



16.2551, 17.9783, 22.8634



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.



27.6365, 33.0706, 57.1519



44.3920, 53.7525, 102.6433



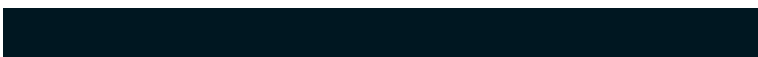
20.0828, 17.9633, 54.6340



10.1117, 10.9147, 12.8586



12.3821, 14.5206, 35.7068



0.5921, 0.7417, 1.5618

Inverse Universe

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



33.2136, 21.7659, 38.0491



56.0378, 32.9283, 62.1303



39.5613, 42.3749, 15.7681



10.3677, 10.1957, 12.0268



17.6459, 8.7481, 16.5790



0.7913, 0.3895, 0.8682

Previews

White Background



This preview shows how the XYZ color 27.6354, 33.0694, 57.1511 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 27.6354, 33.0694, 57.1511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

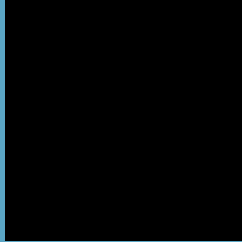
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.6354, 33.0694, 57.1511

Background



This preview shows how black text looks on a background with the XYZ color 27.6354, 33.0694, 57.1511.

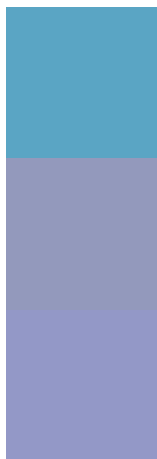


This preview shows how white text looks on a background with the XYZ color 27.6354, 33.0694,

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

27.6354, 33.0694, 57.1511

Protanopia

32.5010, 32.6163, 52.1596

Deuteranopia

33.5697, 32.7830, 58.5913



Tritanopia

25.9993, 33.2263, 48.7591

Trichromacy



Original Color

27.6354, 33.0694, 57.1511

Protanomaly

30.0651, 32.3111, 53.9423

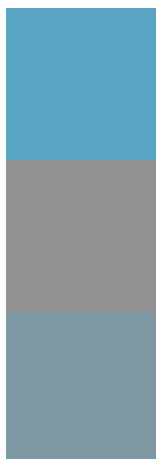
Deuteranomaly

30.8542, 32.6268, 58.0975

Tritanomaly

26.5194, 33.1610, 51.4574

Monochromacy



Original Color

27.6354, 33.0694, 57.1511

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.6963, 29.8984, 39.4859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6354, 33.0694, 57.1511 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(90, 165, 196)` looks like.

```
.text, #text, p{  
    color:rgb(90, 165, 196)  
}
```

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(90, 165, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 165, 196) }
```

Border

The CSS property to change the border of an element to XYZ 27.6354, 33.0694, 57.1511 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(90, 165, 196) }
```


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

```
.border{ border-color:rgb(90, 165, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 165, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 165, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 165, 196);  
box-shadow:4px 4px 4px 4px rgb(90, 165,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6354, 33.0694, 57.1511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 165, 196) }
```

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

```
.background{ background-color: rgb(90, 165,  
196) }
```

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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