

Converting Colors

XYZ(27.5575, 31.4553, 64.5928)

Have a look what the booklet for
XYZ(27.5575, 31.4553, 64.5928)
contains.

XYZ(27.5233, 31.5347, 64.3107)	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(27.5233, 31.5347,
64.3107)**

Conversions

Conversions Part 1

Format	Color
Hex	53A0D0
RGB	83, 160, 208
RGB Percent	33%, 63%, 82%
CMY	0.6745, 0.3725, 0.1843
CMYK	0.60, 0.23, 0.00, 0.18
HSL	203°, 57%, 57%
HSV	203°, 60%, 82%
XYZ	27.5233, 31.5347, 64.3107
YIQ	142.4490, -61.3000, -1.3960

Conversions

Conversions Part 2

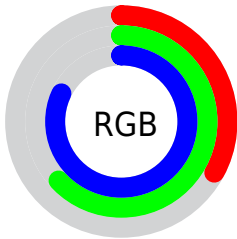
Format	Color
R _Y B	83, 131, 208
Decimal	5480656
CIE Lab	62.96, -9.54, -31.67
CIE LCh	63, 33.077, 253.245
Yxy	31.5347, 0.2231, 0.2556
Android (android.graphics.Color)	4283670736 (0xFF53A0D0)
YUV	142.4490, 32.3166, -52.1368
Hunter-Lab	56.1558, -10.7854, -28.5911

Details

The XYZ color **27.5233, 31.5347, 64.3107** 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 **35.6914, 30.2688, 12.1464**, and the grayscale version is **25.7835, 27.1262, 29.5404**.

A 20% lighter version of the original color is **53.5058, 61.5717, 103.6722**, and **11.2184, 13.2372, 32.1008** is the 20% darker color. If you saturate the color by 10%, you get **24.6155, 28.0462, 63.7912**, and if you desaturate by 10%, it is **31.0726, 35.4871, 64.8871**.

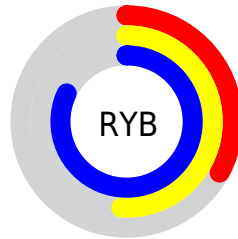
Distribution



Red (33%)

Green (63%)

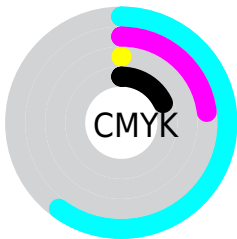
Blue (82%)



Red (33%)

Yellow (51%)

Blue (82%)

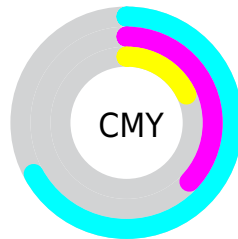


Cyan (60%)

Magenta (23%)

Yellow (0%)

Black (18%)



Cyan (67%)

Magenta (37%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5233, 31.5347, 64.3107 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 27.5233, 31.5347, 64.3107 by changing the saturation by 10% instead.

■ 27.5233, 31.5347,
64.3107

■ 27.5233, 31.5347,
64.3107

282.3036,
308.9942, 458.5490

■ 18.1052, 21.0063,
46.4546

■ 55.1364, 62.0809,
112.6620

■ 11.1257, 13.1286,
32.2534

■ 74.0622, 82.8676,
143.9943

■ 6.2194, 7.5172,
21.2887

■ 96.8880, 107.8425,
180.6558

■ 3.0209, 3.7876,
13.1419

■ 123.9791,
137.3900, 223.0649

■ 1.1648, 1.5555,
7.3945

155.7008,
171.8945, 271.6402

■ 0.0783, 0.3273,
3.6278

192.4186,

■ 0.0000, 0.0000,

211.7405, 326.8003

1.4235

234.4977,
257.3122, 388.9637

■ 0.0000, 0.0000,
0.1599

■ 0.0000, 0.0000,
0.0000

■ 27.5233, 31.5347,
64.3107

■ 27.5233, 31.5347,
64.3107

■ 24.6155, 28.0462,
63.7912

■ 31.0726, 35.4871,
64.8871

■ 22.2935, 24.9888,
63.3235

■ 35.3063, 39.9263,
65.5208

■ 20.4961, 22.3289,
62.9048

■ 40.2674, 44.8772,
66.2150

■ 19.1210, 20.0256,
62.5327

■ 45.9938, 50.3617,
66.9718

■ 52.5209, 56.4003,
67.7933

■ 59.8817, 63.0122,
68.6816

■ 68.1072, 70.2154,
69.6384

■ 77.2269, 78.0273,
70.6656

■ 81.4506, 83.4648,
71.4926

Harmonies

Analogous

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



24.0468, 31.5347, 54.4965



27.5233, 31.5347, 64.3107



32.0200, 31.5347, 64.9156

Triad

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



27.5233, 31.5347, 64.3107



39.3099, 31.5347, 28.9149



24.3752, 31.5347, 19.1406

Complementary

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



27.5233, 31.5347, 64.3107



35.6914, 30.2688, 12.1464

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.



28.0148, 31.5347, 15.2808



27.5233, 31.5347, 64.3107



36.8002, 31.5347, 19.8844

Square

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



27.5233, 31.5347, 64.3107



39.1441, 31.5347, 42.0686



32.5635, 31.5347, 15.5133



22.3591, 31.5347, 27.6141

Rectangle

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



27.5233, 31.5347, 64.3107



35.0236, 31.5347, 59.8104



32.5635, 31.5347, 15.5133



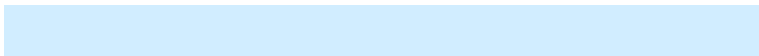
25.4325, 31.5347, 17.3690

Sweetspot

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



27.5244, 31.5358, 64.3115



74.7654, 81.5751, 106.4128



30.2154, 48.5881, 29.2307



15.3880, 16.8829, 22.6976



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.



27.5244, 31.5358, 64.3115



37.9217, 43.0622, 100.9209



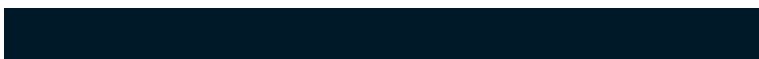
19.2826, 15.0522, 61.5642



11.7612, 12.6128, 15.0583



12.0132, 12.6730, 39.0055



0.7472, 0.8596, 2.2061

Inverse Universe

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



35.4519, 22.1358, 35.6629



52.2226, 29.2991, 48.5234



46.7369, 52.3598, 15.8282



12.1104, 11.9289, 13.8571



18.6944, 9.3506, 13.8289



1.0834, 0.5381, 0.9740

Previews

White Background



This preview shows how the XYZ color 27.5233, 31.5347, 64.3107 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 27.5233, 31.5347, 64.3107 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 27.5233, 31.5347, 64.3107

Background



This preview shows how black text looks on a background with the XYZ color 27.5233, 31.5347, 64.3107.

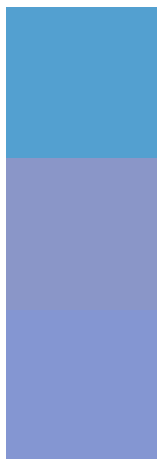


This preview shows how white text looks on a background with the XYZ color 27.5233, 31.5347,

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

27.5233, 31.5347, 64.3107

Protanopia

31.8129, 31.3861, 59.0250

Deuteranopia

32.0549, 31.3714, 65.3386



Tritanopia

24.1176, 31.4670, 47.4504

Trichromacy



Original Color

27.5233, 31.5347, 64.3107

Protanomaly

29.8063, 31.2746, 60.9655

Deuteranomaly

30.0037, 31.2921, 64.7802

Tritanomaly

25.2931, 31.4079, 53.4445

Monochromacy



Original Color

27.5233, 31.5347, 64.3107

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.5155, 28.3130, 40.1965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5233, 31.5347, 64.3107 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(83, 160, 208)` looks like.

```
.text, #text, p{  
    color:rgb(83, 160, 208)  
}
```

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(83, 160, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 160, 208) }
```

Border

The CSS property to change the border of an element to XYZ 27.5233, 31.5347, 64.3107 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(83, 160, 208) }
```


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

```
.border{ border-color:rgb(83, 160, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 160, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 160, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 160, 208);  
box-shadow:4px 4px 4px 4px rgb(83, 160,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5233, 31.5347, 64.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 160, 208) }
```

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

```
.background{ background-color: rgb(83, 160,  
208) }
```

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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