

Converting Colors

XYZ(27.7826, 31.0930, 55.4585)

Have a look what the booklet for
XYZ(27.7826, 31.0930, 55.4585)
contains.

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Color

**XYZ(27.8580, 31.1348,
55.5803)**

Conversions

Conversions Part 1

Format	Color
Hex	6B9DC2
RGB	107, 157, 194
RGB Percent	42%, 62%, 76%
CMY	0.5804, 0.3843, 0.2392
CMYK	0.45, 0.19, 0.00, 0.24
HSL	206°, 42%, 59%
HSV	206°, 45%, 76%
XYZ	27.8580, 31.1348, 55.5803
YIQ	146.2680, -41.6770, 0.9070

Conversions

Conversions Part 2

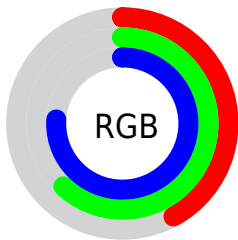
Format	Color
R _{YB}	107, 139, 194
Decimal	7052738
CIE _{Lab}	62.62, -6.76, -24.29
CIE _{LCh}	63, 25.207, 254.455
Y _{xy}	31.1348, 0.2431, 0.2717
Android (android.graphics.Color)	4285242818 (0xFF6B9DC2)
YUV	146.2680, 23.5319, -34.4380
Hunter-Lab	55.7986, -8.5296, -19.9991

Details

The XYZ color **27.8580, 31.1348, 55.5803** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.8760, 32.4783, 18.3418**, and the grayscale version is **27.3511, 28.7755, 31.3365**.

A 20% lighter version of the original color is **55.6071, 61.2349, 100.1555**, and **11.3038, 12.9316, 26.7112** is the 20% darker color. If you saturate the color by 10%, you get **24.4331, 27.3671, 55.0341**, and if you desaturate by 10%, it is **31.9025, 35.3632, 56.1839**.

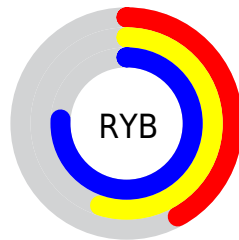
Distribution



Red (42%)

Green (62%)

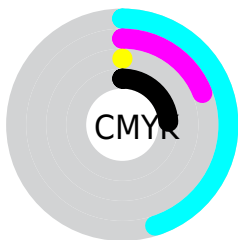
Blue (76%)



Red (42%)

Yellow (55%)

Blue (76%)

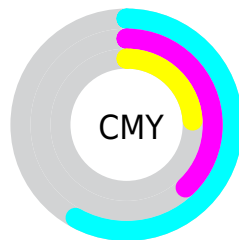


Cyan (45%)

Magenta (19%)

Yellow (0%)

Black (24%)



Cyan (58%)

Magenta (38%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8580, 31.1348, 55.5803 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 27.8580, 31.1348, 55.5803 by changing the saturation by 10% instead.

■ 27.8580, 31.1348,
55.5803

■ 27.8580, 31.1348,
55.5803

283.8802,
307.1589, 425.4517

■ 18.3586, 20.7015,
39.4648

■ 55.6679, 61.4522,
99.8703

■ 11.3090, 12.9060,
26.8109

■ 74.7090, 82.1052,
128.8819

■ 6.3439, 7.3638,
17.2001

■ 97.6615, 106.9335,
163.0293

■ 3.0979, 3.6907,
10.2138

■ 124.8905,
136.3215, 202.7310

■ 1.2058, 1.5021,
5.4335

156.7615,
170.6537, 248.4055

■ 0.1109, 0.2902,
2.4406

193.6399,

■ 0.0000, 0.0000,

210.3143, 300.4715

0.8084

235.8910,
255.6879, 359.3473

■ 0.0000, 0.0000,
0.0000

■ 27.8580, 31.1348,
55.5803

■ 27.8580, 31.1348,
55.5803

■ 24.4331, 27.3671,
55.0341

■ 31.9025, 35.3632,
56.1839

■ 21.5874, 24.0345,
54.5409

■ 36.5973, 40.0688,
56.8447

■ 19.2802, 21.1139,
54.0987

■ 41.9750, 45.2717,
57.5655

■ 17.4636, 18.5777,
53.7049

■ 48.0645, 50.9892,
58.3482

■ 16.0795, 16.3929,
53.3562

■ 54.8933, 57.2381,
59.1944

■ 15.4764, 15.3725,
53.1910

■ 62.4872, 64.0340,
60.1059

■ 70.8709, 71.3919,
61.0842

■ 77.3672, 77.9341,
62.0046

■ 79.6257, 82.4511,
62.7575

Harmonies

Analogous

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



25.1249, 31.1348, 48.9456



27.8580, 31.1348, 55.5803



31.2719, 31.1348, 55.7099

Triad

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



27.8580, 31.1348, 55.5803



36.4589, 31.1348, 29.3954



25.2046, 31.1348, 22.1135

Complementary

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



27.8580, 31.1348, 55.5803



34.8760, 32.4783, 18.3418

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.



27.9747, 31.1348, 18.6867



27.8580, 31.1348, 55.5803



34.5611, 31.1348, 22.3054

Square

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



27.8580, 31.1348, 55.5803



36.4216, 31.1348, 39.2257



31.3979, 31.1348, 18.7494



23.6756, 31.1348, 29.0805

Rectangle

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



27.8580, 31.1348, 55.5803



33.4882, 31.1348, 52.0085



31.3979, 31.1348, 18.7494



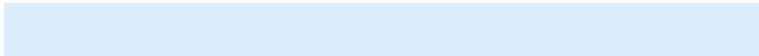
26.0116, 31.1348, 20.5750

Sweetspot

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



27.8590, 31.1360, 55.5810



77.7641, 83.6515, 104.5175



30.3330, 43.7009, 32.9235



16.5148, 17.8292, 22.8209



0.0000, 0.0000, 0.0000



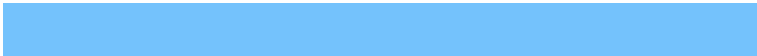
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.8590, 31.1360, 55.5810



44.2590, 49.5735, 99.7057



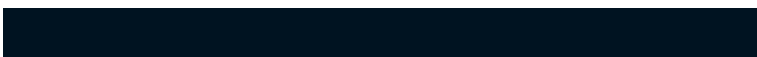
21.8476, 19.1131, 53.5772



9.9981, 10.6875, 12.8208



10.2578, 10.2722, 34.9987



0.5104, 0.5782, 1.5346

Inverse Universe

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



33.5925, 24.4201, 34.8425



56.3591, 37.2160, 55.5316



42.6200, 47.9663, 20.9231



10.3103, 10.1727, 11.7248



16.5737, 8.3192, 10.9329



0.7500, 0.3730, 0.6509

Previews

White Background



This preview shows how the XYZ color 27.8580, 31.1348, 55.5803 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 27.8580, 31.1348, 55.5803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

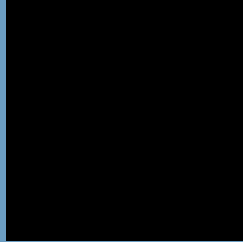
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.8580, 31.1348, 55.5803

Background



This preview shows how black text looks on a background with the XYZ color 27.8580, 31.1348, 55.5803.



This preview shows how white text looks on a background with the XYZ color 27.8580, 31.1348,

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

27.8580, 31.1348, 55.5803

Protanopia

30.8091, 30.7885, 51.8959

Deuteranopia

31.5382, 30.8281, 56.5127



Tritanopia

25.7517, 31.3124, 44.7310

Trichromacy



Original Color

27.8580, 31.1348, 55.5803

Protanomaly

29.5758, 30.8413, 53.1094

Deuteranomaly

29.9702, 30.7405, 55.9837

Tritanomaly

26.5048, 31.3614, 48.3725

Monochromacy



Original Color

27.8580, 31.1348, 55.5803

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.0329, 29.3626, 38.8931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8580, 31.1348, 55.5803 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(107, 157, 194)` looks like.

```
.text, #text, p{  
    color:rgb(107, 157, 194)  
}
```

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(107, 157, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 157, 194) }
```

Border

The CSS property to change the border of an element to XYZ 27.8580, 31.1348, 55.5803 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(107, 157, 194) }
```


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

```
.border{ border-color:rgb(107, 157, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 157, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 157, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 157, 194);  
box-shadow:4px 4px 4px 4px rgb(107, 157,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8580, 31.1348, 55.5803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 157, 194) }
```

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

```
.background{ background-color: rgb(107,  
157, 194) }
```

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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