

Converting Colors

XYZ(28.5064, 31.7976, 52.2120)

Have a look what the booklet for
XYZ(28.5064, 31.7976, 52.2120)
contains.

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Color

**XYZ(28.5064, 31.7976,
52.2120)**

Conversions

Conversions Part 1

Format	Color
Hex	749EBC
RGB	116, 158, 188
RGB Percent	45%, 62%, 74%
CMY	0.5451, 0.3804, 0.2627
CMYK	0.38, 0.16, 0.00, 0.26
HSL	205°, 35%, 60%
HSV	205°, 38%, 74%
XYZ	28.5064, 31.7976, 52.2120
YIQ	148.8620, -34.6620, 0.4260

Conversions

Conversions Part 2

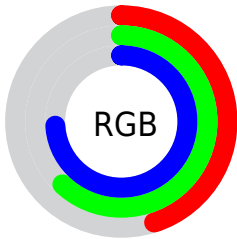
Format	Color
R _Y B	116, 143, 188
Decimal	7642812
CIE Lab	63.18, -6.59, -20.03
CIE LCh	63, 21.089, 251.801
Yxy	31.7976, 0.2534, 0.2826
Android (android.graphics.Color)	4285832892 (0xFF749EBC)
YUV	148.8620, 19.2950, -28.8200
Hunter-Lab	56.3894, -8.4446, -15.4252

Details

The XYZ color **28.5064, 31.7976, 52.2120** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.1708, 32.5105, 20.9980**, and the grayscale version is **28.4418, 29.9230, 32.5862**.

A 20% lighter version of the original color is **56.7009, 62.6662, 94.6953**, and **11.7452, 13.3546, 24.8803** is the 20% darker color. If you saturate the color by 10%, you get **24.9621, 28.0504, 51.6761**, and if you desaturate by 10%, it is **32.6436, 35.9783, 52.8015**.

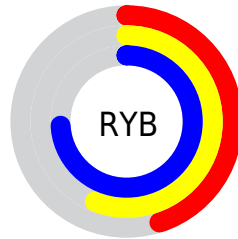
Distribution



Red (45%)

Green (62%)

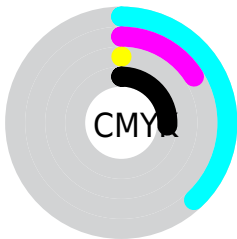
Blue (74%)



Red (45%)

Yellow (56%)

Blue (74%)

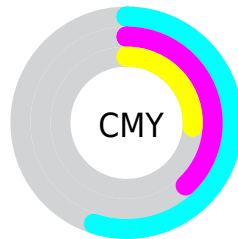


Cyan (38%)

Magenta (16%)

Yellow (0%)

Black (26%)



Cyan (55%)

Magenta (38%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5064, 31.7976, 52.2120 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 28.5064, 31.7976, 52.2120 by changing the saturation by 10% instead.

■ 28.5064, 31.7976,
52.2120

■ 28.5064, 31.7976,
52.2120

286.9152,
310.1962, 412.2347

■ 18.8501, 21.2070,
36.7907

■ 56.6949, 62.4937,
94.8736

■ 11.6654, 13.2754,
24.7509

■ 75.9579, 83.3679,
122.9509

■ 6.5868, 7.6184,
15.6743

■ 99.1539, 108.4387,
156.0840

■ 3.2491, 3.8518,
9.1421

126.6481,
138.0905, 194.6914

■ 1.2868, 1.5910,
4.7359

158.8060,
172.7078, 239.1916

■ 0.1733, 0.3515,
2.0371

195.9929,

■ 0.0000, 0.0000,

212.6750, 290.0032

0.5780

238.5742,
258.3763, 347.5447

■ 0.0000, 0.0000,
0.0000

■ 28.5064, 31.7976,
52.2120

■ 28.5064, 31.7976,
52.2120

■ 24.9621, 28.0504,
51.6761

■ 32.6436, 35.9783,
52.8015

■ 21.9754, 24.7141,
51.1895

■ 37.4004, 40.6064,
53.4441

■ 19.5117, 21.7690,
50.7509

■ 42.8052, 45.6995,
54.1423

■ 17.5307, 19.1921,
50.3579

■ 48.8840, 51.2732,
54.8977

■ 15.9857, 16.9566,
50.0079

■ 55.6609, 57.3419,
55.7119

■ 14.8023, 15.0215,
49.6967

■ 63.1592, 63.9198,
56.5864

■ 14.6177, 14.7118,
49.6467

■ 71.4007, 71.0201,
57.5225

■ 76.0859, 76.4282,
58.3194

■ 78.1984, 80.6534,
59.0236

Harmonies

Analogous

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



26.2355, 31.7976, 46.4567



28.5064, 31.7976, 52.2120



31.3831, 31.7976, 52.8238

Triad

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



28.5064, 31.7976, 52.2120



36.0454, 31.7976, 31.4431



26.6398, 31.7976, 23.9852

Complementary

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



28.5064, 31.7976, 52.2120



34.1708, 32.5105, 20.9980

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.



29.0912, 31.7976, 21.1709



28.5064, 31.7976, 52.2120



34.5947, 31.7976, 24.9903

Square

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



28.5064, 31.7976, 52.2120



35.8637, 31.7976, 39.8792



32.0065, 31.7976, 21.5065



25.2065, 31.7976, 29.8487

Rectangle

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



28.5064, 31.7976, 52.2120



33.2724, 31.7976, 50.1281



32.0065, 31.7976, 21.5065



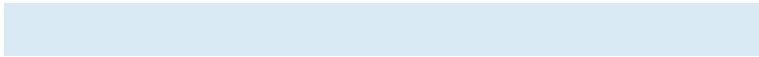
27.3652, 31.7976, 22.6972

Sweetspot

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



28.5074, 31.7988, 52.2127



74.6296, 80.0731, 97.7485



30.2818, 41.7183, 33.1645



15.7587, 16.9471, 20.9831



90.7827, 95.5105, 104.0109



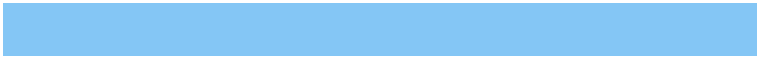
18.6292, 19.5994, 21.3438

Same Dimension

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



28.5074, 31.7988, 52.2127



46.1638, 51.8357, 93.7984



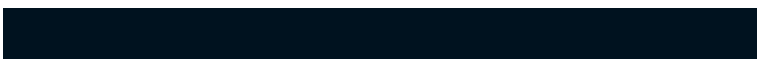
23.3882, 21.5603, 50.5063



9.4663, 10.1250, 12.1276



10.0271, 10.1659, 33.8266



0.4560, 0.5246, 1.3461

Inverse Universe

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



33.1568, 25.6517, 35.5528



56.0432, 40.0030, 58.1223



40.3753, 44.9194, 23.0662



9.7572, 9.6272, 11.1106



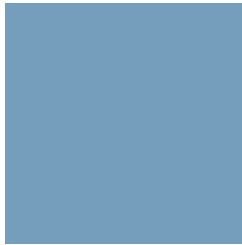
16.0620, 8.0559, 10.8859



0.6611, 0.3283, 0.5944

Previews

White Background



This preview shows how the XYZ color 28.5064, 31.7976, 52.2120 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 28.5064, 31.7976, 52.2120 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 28.5064, 31.7976, 52.2120

Background



This preview shows how black text looks on a background with the XYZ color 28.5064, 31.7976, 52.2120.

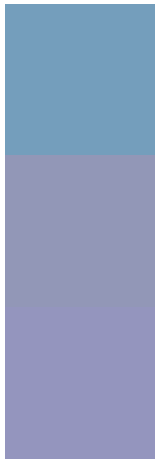


This preview shows how white text looks on a background with the XYZ color 28.5064, 31.7976,

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

28.5064, 31.7976, 52.2120

Protanopia

31.4679, 31.6631, 49.2528

Deuteranopia

32.2545, 31.5085, 53.0970



Tritanopia

26.9698, 31.9516, 44.2810

Trichromacy



Original Color

28.5064, 31.7976, 52.2120

Protanomaly

30.3042, 31.7649, 50.4330

Deuteranomaly

30.5669, 31.3648, 52.5871

Tritanomaly

27.4167, 31.8667, 46.8253

Monochromacy



Original Color

28.5064, 31.7976, 52.2120

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.1556, 30.4192, 39.0379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5064, 31.7976, 52.2120 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(116, 158, 188)` looks like.

```
.text, #text, p{  
    color:rgb(116, 158, 188)  
}
```

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(116, 158, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 158, 188) }
```

Border

The CSS property to change the border of an element to XYZ 28.5064, 31.7976, 52.2120 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(116, 158, 188) }
```


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

```
.border{ border-color:rgb(116, 158, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 158, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 158, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 158, 188);  
box-shadow:4px 4px 4px 4px rgb(116, 158,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5064, 31.7976, 52.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 158, 188) }
```

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

```
.background{ background-color: rgb(116,  
158, 188) }
```

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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