

Converting Colors

XYZ(28.8312, 31.1285, 61.7753)

Have a look what the booklet for
XYZ(28.8312, 31.1285, 61.7753)
contains.

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Color

**XYZ(28.8510, 31.2624,
61.6404)**

Conversions

Conversions Part 1

Format	Color
Hex	6B9CCC
RGB	107, 156, 204
RGB Percent	42%, 61%, 80%
CMY	0.5804, 0.3882, 0.2000
CMYK	0.48, 0.24, 0.00, 0.20
HSL	210°, 49%, 61%
HSV	210°, 48%, 80%
XYZ	28.8510, 31.2624, 61.6404
YIQ	146.8210, -44.6120, 4.5400

Conversions

Conversions Part 2

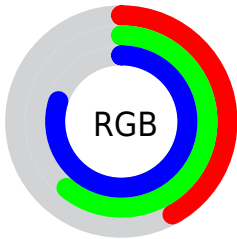
Format	Color
RYB	107, 140, 204
Decimal	7052492
CIELab	62.73, -3.32, -29.71
CIELCh	63, 29.895, 263.629
Yxy	31.2624, 0.2370, 0.2568
Android (android.graphics.Color)	4285242572 (0xFF6B9CCC)
YUV	146.8210, 28.1892, -34.9230
Hunter-Lab	55.9128, -5.7414, -26.2246

Details

The XYZ color **28.8510, 31.2624, 61.6404** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.2780, 37.3429, 19.0489**, and the grayscale version is **27.5608, 28.9961, 31.5767**.

A 20% lighter version of the original color is **56.2009, 61.0997, 103.4391**, and **11.8720, 12.9833, 30.7345** is the 20% darker color. If you saturate the color by 10%, you get **25.0575, 26.8962, 60.9982**, and if you desaturate by 10%, it is **33.3660, 36.2107, 62.3581**.

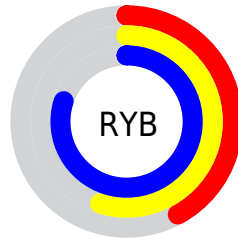
Distribution



Red (42%)

Green (61%)

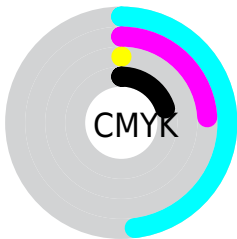
Blue (80%)



Red (42%)

Yellow (55%)

Blue (80%)

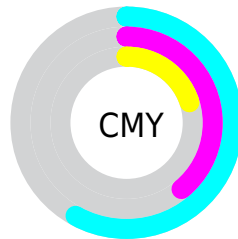


Cyan (48%)

Magenta (24%)

Yellow (0%)

Black (20%)



Cyan (58%)

Magenta (39%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8510, 31.2624, 61.6404 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 28.8510, 31.2624, 61.6404 by changing the saturation by 10% instead.

■ 28.8510, 31.2624,
61.6404

■ 28.8510, 31.2624,
61.6404

288.5182,
307.7454, 448.5896

■ 19.1118, 20.7987,
44.3083

■ 57.2395, 61.6530,
108.7722

■ 11.8556, 12.9770,
30.5740

■ 76.6195, 82.3486,
139.4089

■ 6.7169, 7.4127,
20.0189

■ 99.9439, 107.2238,
175.3177

■ 3.3305, 3.7215,
12.2246

■ 127.5779,
136.6628, 216.9169

■ 1.3308, 1.5190,
6.7724

159.8870,
171.0501, 264.6251

■ 0.2061, 0.3021,
3.2439

197.2365,

■ 0.0000, 0.0000,

210.7700, 318.8610

1.2205

239.9918,
256.2070, 380.0429

■ 0.0000, 0.0000,
0.0000

■ 28.8510, 31.2624,
61.6404

■ 28.8510, 31.2624,
61.6404

■ 25.0575, 26.8962,
60.9982

■ 33.3660, 36.2107,
62.3581

■ 21.9376, 23.0806,
60.4261

■ 38.6398, 41.7636,
63.1520

■ 19.4419, 19.7856,
59.9217

■ 44.7108, 47.9460,
64.0253

■ 17.5121, 16.9755,
59.4810

■ 51.6139, 54.7806,
64.9807

■ 16.0673, 14.6030,
59.0992

■ 59.3815, 62.2885,
66.0205

■ 15.7546, 14.0704,
59.0129

■ 68.0445, 70.4899,
67.1469

■ 77.6319, 79.4040,
68.3622

■ 82.3545, 86.0504,
69.3962

■ 85.3563, 92.0538,
70.3968

Harmonies

Analogous

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



25.2960, 31.2624, 55.5499



28.8510, 31.2624, 61.6404



32.9740, 31.2624, 59.0817

Triad

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



28.8510, 31.2624, 61.6404



37.5050, 31.2624, 25.7974



23.8287, 31.2624, 22.3683

Complementary

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



28.8510, 31.2624, 61.6404



39.2780, 37.3429, 19.0489

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.



26.6762, 31.2624, 17.3124



28.8510, 31.2624, 61.6404



34.6185, 31.2624, 18.9518

Square

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



28.8510, 31.2624, 61.6404



38.2218, 31.2624, 36.5967



30.5940, 31.2624, 16.2232



22.5728, 31.2624, 31.6041

Rectangle

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



28.8510, 31.2624, 61.6404



35.4685, 31.2624, 53.0518



30.5940, 31.2624, 16.2232



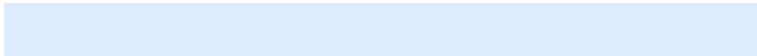
24.6182, 31.2624, 20.2174

Sweetspot

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



28.8521, 31.2636, 61.6412



77.7347, 83.0886, 106.5484



33.4803, 48.6416, 38.1463



16.1215, 17.2689, 22.7335



0.0000, 0.0000, 0.0000



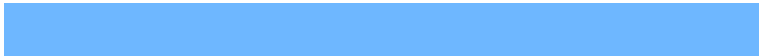
20.3446, 21.4041, 23.3091

Same Dimension

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



28.8521, 31.2636, 61.6412



41.3857, 44.4100, 100.9985



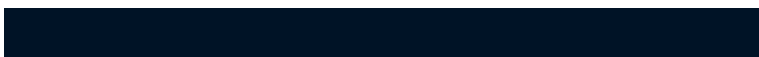
22.3915, 18.3424, 59.4876



11.0623, 11.7650, 14.2582



10.0093, 9.0427, 37.1741



0.5923, 0.6183, 1.9431

Inverse Universe

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



36.1613, 25.7543, 34.5188



55.3332, 35.7585, 48.8258



48.7670, 56.3208, 22.2119



11.4448, 11.3066, 12.8769



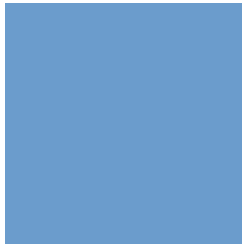
17.2632, 8.7159, 9.1044



0.9289, 0.4650, 0.6714

Previews

White Background



This preview shows how the XYZ color 28.8510, 31.2624, 61.6404 looks on a white background.

Color Contrast Check

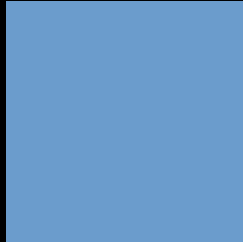
Large Text (above 18pt) WCAG AA × Fail

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 28.8510, 31.2624, 61.6404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

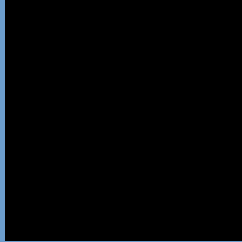
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.8510, 31.2624, 61.6404

Background



This preview shows how black text looks on a background with the XYZ color 28.8510, 31.2624, 61.6404.



This preview shows how white text looks on a background with the XYZ color 28.8510, 31.2624,

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

28.8510, 31.2624, 61.6404

Protanopia

31.5375, 31.0217, 58.3584

Deuteranopia

31.8797, 31.1020, 62.7156



Tritanopia

25.4219, 31.1424, 44.7156

Trichromacy



Original Color

28.8510, 31.2624, 61.6404

Protanomaly

30.5232, 31.1855, 59.6690

Deuteranomaly

30.7051, 31.2242, 62.1662

Tritanomaly

26.5219, 31.0658, 50.4974

Monochromacy



Original Color

28.8510, 31.2624, 61.6404

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.4899, 29.5454, 41.2997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8510, 31.2624, 61.6404 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, 156, 204)` looks like.

```
.text, #text, p{  
    color:rgb(107, 156, 204)  
}
```

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, 156, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 156, 204) }
```

Border

The CSS property to change the border of an element to XYZ 28.8510, 31.2624, 61.6404 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, 156, 204) }
```


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

```
.border{ border-color:rgb(107, 156, 204) }
```

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

Here you see how a box with a 4 pixel rgb(107, 156, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 156, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 156, 204);  
box-shadow:4px 4px 4px 4px rgb(107, 156,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8510, 31.2624, 61.6404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 156, 204) }
```

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

```
.background{ background-color: rgb(107,  
156, 204) }
```

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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