

Converting Colors

XYZ(28.7483, 31.9098, 52.7881)

Have a look what the booklet for
XYZ(28.7483, 31.9098, 52.7881)
contains.

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Color

**XYZ(28.7483, 31.9098,
52.7881)**

Conversions

Conversions Part 1

Format	Color
Hex	759EBD
RGB	117, 158, 189
RGB Percent	46%, 62%, 74%
CMY	0.5412, 0.3804, 0.2588
CMYK	0.38, 0.16, 0.00, 0.26
HSL	206°, 35%, 60%
HSV	206°, 38%, 74%
XYZ	28.7483, 31.9098, 52.7881
YIQ	149.2750, -34.3870, 0.9490

Conversions

Conversions Part 2

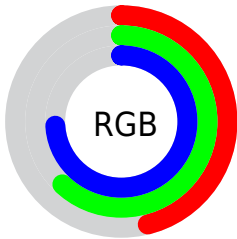
Format	Color
R_{YB}	117, 143, 189
Decimal	7708349
CIE _{Lab}	63.27, -6.04, -20.45
CIE _{LCh}	63, 21.321, 253.535
Yxy	31.9098, 0.2534, 0.2813
Android (android.graphics.Color)	4285898429 (0xFF759EBD)
YUV	149.2750, 19.5844, -28.3052
Hunter-Lab	56.4888, -8.0130, -15.8637

Details

The XYZ color **28.7483, 31.9098, 52.7881** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.7876, 33.2835, 21.4214**, and the grayscale version is **28.6142, 30.1043, 32.7836**.

A 20% lighter version of the original color is **57.0703, 62.8390, 95.5074**, and **11.8816, 13.4168, 25.2560** is the 20% darker color. If you saturate the color by 10%, you get **25.1185, 28.0464, 52.2343**, and if you desaturate by 10%, it is **32.9848, 36.2238, 53.3981**.

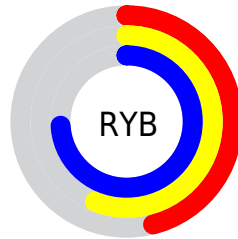
Distribution



Red (46%)

Green (62%)

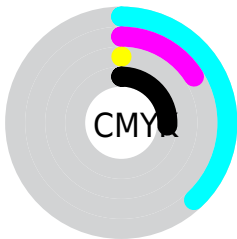
Blue (74%)



Red (46%)

Yellow (56%)

Blue (74%)

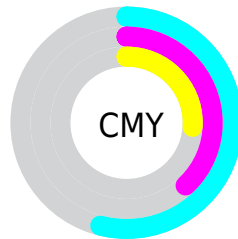


Cyan (38%)

Magenta (16%)

Yellow (0%)

Black (26%)



Cyan (54%)

Magenta (38%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7483, 31.9098, 52.7881 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 28.7483, 31.9098, 52.7881 by changing the saturation by 10% instead.

■ 28.7483, 31.9098,
52.7881

■ 28.7483, 31.9098,
52.7881

288.0412,
310.7082, 414.5148

■ 19.0338, 21.2926,
37.2471

■ 57.0773, 62.6697,
95.7309

■ 11.7989, 13.3381,
25.1016

■ 76.4225, 83.5811,
123.9697

■ 6.6781, 7.6617,
15.9330

■ 99.7086, 108.6928,
157.2782

■ 3.3061, 3.8793,
9.3229

127.3011,
138.3891, 196.0749

■ 1.3176, 1.6063,
4.8527

159.5652,
173.0544, 240.7784

■ 0.1964, 0.3618,
2.1039

196.8664,

■ 0.0000, 0.0000,

213.0730, 291.8072

0.6181

239.5699,
258.8295, 349.5798

■ 0.0000, 0.0000,
0.0000

■ 28.7483, 31.9098,
52.7881

■ 28.7483, 31.9098,
52.7881

■ 25.1185, 28.0464,
52.2343

■ 32.9848, 36.2238,
53.3981

■ 22.0594, 24.6105,
51.7323

■ 37.8550, 41.0027,
54.0638

■ 19.5360, 21.5817,
51.2807

■ 43.3880, 46.2648,
54.7879

■ 17.5072, 18.9364,
50.8770

■ 49.6100, 52.0261,
55.5720

■ 15.9257, 16.6470,
50.5185

■ 56.5459, 58.3015,
56.4177

■ 14.7183, 14.6730,
50.2011

■ 64.2190, 65.1056,
57.3266

■ 14.5089, 14.3211,
50.1442

■ 72.6519, 72.4522,
58.3002

■ 76.8401, 77.7635,
59.1046

■ 79.0680, 82.2194,
59.8473

Harmonies

Analogous

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



26.3965, 31.9098, 47.1917



28.7483, 31.9098, 52.7881



31.6777, 31.9098, 53.0730

Triad

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



28.7483, 31.9098, 52.7881



36.1912, 31.9098, 31.0759



26.5841, 31.9098, 24.2387

Complementary

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



28.7483, 31.9098, 52.7881



34.7876, 33.2835, 21.4214

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.



29.0198, 31.9098, 21.2115



28.7483, 31.9098, 52.7881



34.6346, 31.9098, 24.7042

Square

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



28.7483, 31.9098, 52.7881



36.1068, 31.9098, 39.5601



31.9672, 31.9098, 21.3667



25.2036, 31.9098, 30.3362

Rectangle

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



28.7483, 31.9098, 52.7881



33.5754, 31.9098, 50.1379



31.9672, 31.9098, 21.3667



27.2995, 31.9098, 22.8761

Sweetspot

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



28.7493, 31.9110, 52.7888



74.5235, 79.8608, 97.7131



30.8010, 42.2844, 34.1430



15.7333, 16.8963, 20.9747



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.



28.7493, 31.9110, 52.7888



45.8084, 51.1248, 93.6799



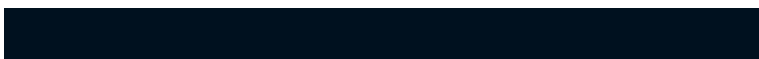
23.6053, 21.6229, 51.0742



9.4552, 10.1028, 12.1239



9.8390, 9.7897, 33.7639



0.4492, 0.5111, 1.3438

Inverse Universe

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



33.5200, 26.0110, 35.6030



55.8638, 39.9312, 57.1775



41.1313, 45.9708, 23.5360



9.7516, 9.6249, 11.0811



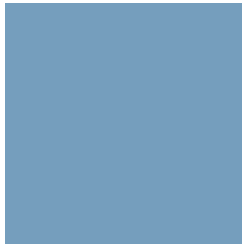
15.9670, 8.0180, 10.3860



0.6576, 0.3269, 0.5764

Previews

White Background



This preview shows how the XYZ color 28.7483, 31.9098, 52.7881 looks on a white background.

Color Contrast Check

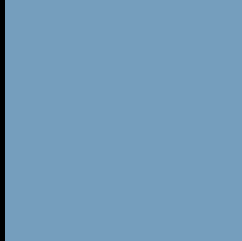
Large Text (above 18pt) WCAG AA × Fail

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 28.7483, 31.9098, 52.7881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

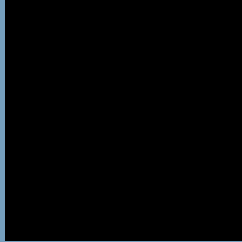
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.7483, 31.9098, 52.7881

Background



This preview shows how black text looks on a background with the XYZ color 28.7483, 31.9098, 52.7881.

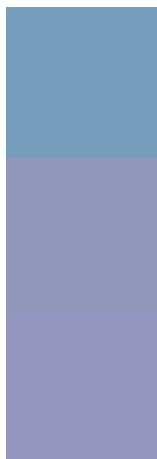


This preview shows how white text looks on a background with the XYZ color 28.7483, 31.9098,

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

28.7483, 31.9098, 52.7881

Protanopia

31.3954, 31.6137, 49.7947

Deuteranopia

32.5231, 31.8702, 53.7276



Tritanopia

27.1949, 32.0564, 44.7986

Trichromacy



Original Color

28.7483, 31.9098, 52.7881

Protanomaly

30.4102, 31.8073, 50.9910

Deuteranomaly

31.0020, 31.8185, 53.2228

Tritanomaly

27.6469, 31.9737, 47.3622

Monochromacy



Original Color

28.7483, 31.9098, 52.7881

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.2456, 30.4552, 39.5117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7483, 31.9098, 52.7881 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(117, 158, 189)` looks like.

```
.text, #text, p{  
    color:rgb(117, 158, 189)  
}
```

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(117, 158, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 158, 189) }
```

Border

The CSS property to change the border of an element to XYZ 28.7483, 31.9098, 52.7881 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(117, 158, 189) }
```


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

```
.border{ border-color:rgb(117, 158, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 158, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 158, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 158, 189);  
box-shadow:4px 4px 4px 4px rgb(117, 158,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7483, 31.9098, 52.7881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 158, 189) }
```

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

```
.background{ background-color: rgb(117,  
158, 189) }
```

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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