

Converting Colors

XYZ(28.6907, 31.0812, 55.4087)

Have a look what the booklet for
XYZ(28.6907, 31.0812, 55.4087)
contains.

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Color

**XYZ(28.6614, 31.0507,
55.5217)**

Conversions

Conversions Part 1

Format	Color
Hex	749BC2
RGB	116, 155, 194
RGB Percent	45%, 61%, 76%
CMY	0.5451, 0.3921, 0.2392
CMYK	0.40, 0.20, 0.00, 0.24
HSL	210°, 39%, 61%
HSV	210°, 40%, 76%
XYZ	28.6614, 31.0507, 55.5217
YIQ	147.7850, -35.7630, 3.8610

Conversions

Conversions Part 2

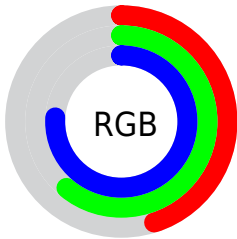
Format	Color
R _Y B	116, 142, 194
Decimal	7642050
CIE Lab	62.55, -3.29, -24.35
CIE LCh	63, 24.572, 262.311
Yxy	31.0507, 0.2487, 0.2695
Android (android.graphics.Color)	4285832130 (0xFF749BC2)
YUV	147.7850, 22.7840, -27.8754
Hunter-Lab	55.7232, -5.7034, -20.0694

Details

The XYZ color **28.6614, 31.0507, 55.5217** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.1226, 36.1738, 21.5497**, and the grayscale version is **27.9784, 29.4355, 32.0552**.

A 20% lighter version of the original color is **57.0076, 61.2239, 100.0796**, and **11.7338, 12.8508, 26.6730** is the 20% darker color. If you saturate the color by 10%, you get **24.7970, 26.7582, 54.8974**, and if you desaturate by 10%, it is **33.1960, 35.8826, 56.2159**.

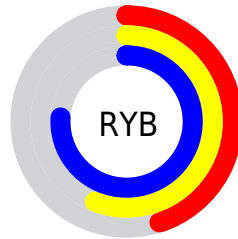
Distribution



Red (45%)

Green (61%)

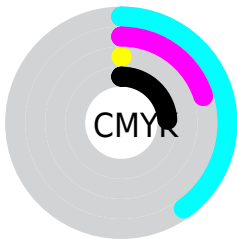
Blue (76%)



Red (45%)

Yellow (56%)

Blue (76%)

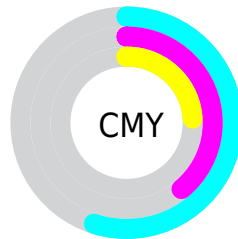


Cyan (40%)

Magenta (20%)

Yellow (0%)

Black (24%)



Cyan (55%)

Magenta (39%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6614, 31.0507, 55.5217 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 28.6614, 31.0507, 55.5217 by changing the saturation by 10% instead.

■ 28.6614, 31.0507,
55.5217

■ 28.6614, 31.0507,
55.5217

287.6371,
306.7718, 425.2240

■ 18.9678, 20.6375,
39.4181

■ 56.9400, 61.3199,
99.7837

■ 11.7509, 12.8593,
26.7748

■ 76.2557, 81.9446,
128.7793

■ 6.6453, 7.3317,
17.1733

■ 99.5095, 106.7420,
162.9092

■ 3.2856, 3.6704,
10.1948

127.0667,
136.0963, 202.5921

■ 1.3065, 1.4909,
5.4210

159.2927,
170.3921, 248.2465

■ 0.1881, 0.2823,
2.4333

196.5529,

■ 0.0000, 0.0000,

210.0137, 300.2909

0.8045

239.2126,
255.3455, 359.1439

■ 0.0000, 0.0000,
0.0000

■ 28.6614, 31.0507,
55.5217

■ 28.6614, 31.0507,
55.5217

■ 24.7970, 26.7582,
54.8974

■ 33.1960, 35.8826,
56.2159

■ 21.5630, 22.9779,
54.3382

■ 38.4316, 41.2721,
56.9802

■ 18.9196, 19.6856,
53.8420

■ 44.4005, 47.2408,
57.8177

■ 16.8208, 16.8524,
53.4058

■ 51.1322, 53.8078,
58.7305

■ 15.2123, 14.4456,
53.0260

■ 58.6542, 60.9914,
59.7206

■ 14.0125, 12.4447,
52.7030

■ 66.9929, 68.8089,
60.7900

■ 76.1733, 77.2771,
61.9407

■ 80.0041, 83.2080,
62.8836

■ 82.8199, 88.8394,
63.8221

Harmonies

Analogous

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



25.7560, 31.0507, 50.5627



28.6614, 31.0507, 55.5217



32.0200, 31.0507, 53.8513

Triad

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



28.6614, 31.0507, 55.5217



35.8654, 31.0507, 27.2928



24.7143, 31.0507, 23.7600

Complementary

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



28.6614, 31.0507, 55.5217



37.1226, 36.1738, 21.5497

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.



27.1399, 31.0507, 19.4819



28.6614, 31.0507, 55.5217



33.6181, 31.0507, 21.2370

Square

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



28.6614, 31.0507, 55.5217



36.3496, 31.0507, 36.3312



30.3808, 31.0507, 18.6544



23.5919, 31.0507, 31.4062

Rectangle

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



28.6614, 31.0507, 55.5217



34.0530, 31.0507, 49.3251



30.3808, 31.0507, 18.6544



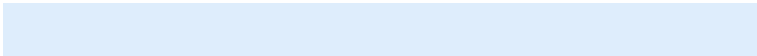
25.3952, 31.0507, 21.9445

Sweetspot

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



28.6624, 31.0519, 55.5224



78.1861, 83.3552, 104.4381



32.3029, 44.6204, 37.3521



16.7968, 17.9307, 22.8256



0.0000, 0.0000, 0.0000



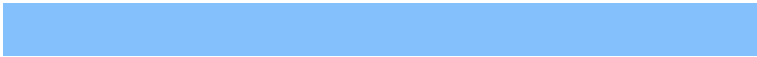
20.3446, 21.4041, 23.3091

Same Dimension

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



28.6624, 31.0519, 55.5224



45.8642, 49.5430, 99.6152



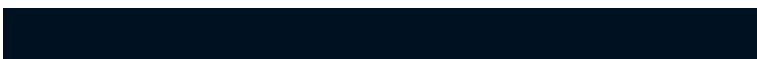
23.3373, 20.4017, 53.7474



9.9350, 10.5614, 12.7997



9.2948, 8.3460, 34.6777



0.4705, 0.4985, 1.5213

Inverse Universe

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



34.4108, 26.3277, 34.2796



57.9604, 40.8855, 54.6262



44.4049, 50.7383, 23.9772



10.2785, 10.1600, 11.5572



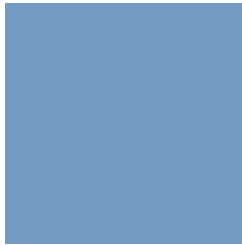
16.0875, 8.1248, 8.3730



0.7299, 0.3650, 0.5450

Previews

White Background



This preview shows how the XYZ color 28.6614, 31.0507, 55.5217 looks on a white background.

Color Contrast Check

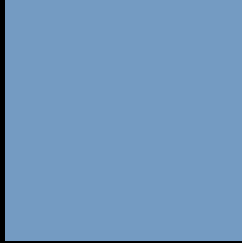
Large Text (above 18pt) WCAG AA × Fail

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 28.6614, 31.0507, 55.5217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

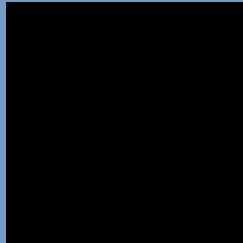
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

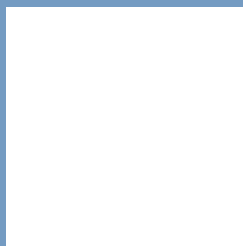
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6614, 31.0507, 55.5217

Background



This preview shows how black text looks on a background with the XYZ color 28.6614, 31.0507, 55.5217.

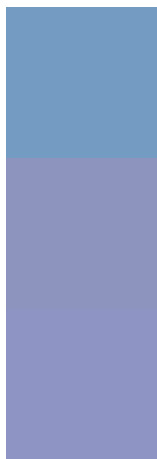


This preview shows how white text looks on a background with the XYZ color 28.6614, 31.0507,

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

28.6614, 31.0507, 55.5217

Protanopia

31.0262, 30.8753, 53.0395

Deuteranopia

31.5956, 30.8707, 55.9231



Tritanopia

26.2749, 31.0898, 43.6458

Trichromacy



Original Color

28.6614, 31.0507, 55.5217

Protanomaly

29.9863, 30.8003, 53.6548

Deuteranomaly

30.5898, 31.0599, 56.0127

Tritanomaly

27.1472, 31.1938, 47.7702

Monochromacy



Original Color

28.6614, 31.0507, 55.5217

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.0115, 30.0841, 39.9278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6614, 31.0507, 55.5217 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, 155, 194)` looks like.

```
.text, #text, p{  
    color:rgb(116, 155, 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(116, 155, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 155, 194) }
```

Border

The CSS property to change the border of an element to XYZ 28.6614, 31.0507, 55.5217 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, 155, 194) }
```


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

```
.border{ border-color:rgb(116, 155, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 155, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 155, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 155, 194);  
box-shadow:4px 4px 4px 4px rgb(116, 155,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6614, 31.0507, 55.5217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 155, 194) }
```

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

```
.background{ background-color: rgb(116,  
155, 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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