

Converting Colors

XYZ(28.4871, 30.9964, 60.0092)

Have a look what the booklet for
XYZ(28.4871, 30.9964, 60.0092)
contains.

XYZ(28.4945, 31.1198, 59.7632)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.4945, 31.1198,
59.7632)**

Conversions

Conversions Part 1

Format	Color
Hex	6B9CC9
RGB	107, 156, 201
RGB Percent	42%, 61%, 79%
CMY	0.5804, 0.3882, 0.2118
CMYK	0.47, 0.22, 0.00, 0.21
HSL	209°, 47%, 60%
HSV	209°, 47%, 79%
XYZ	28.4945, 31.1198, 59.7632
YIQ	146.4790, -43.6490, 3.6070

Conversions

Conversions Part 2

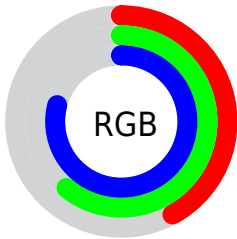
Format	Color
R_{YB}	107, 139, 201
Decimal	7052489
CIE _{Lab}	62.61, -4.19, -28.22
CIE _{LCh}	63, 28.530, 261.554
Yxy	31.1198, 0.2387, 0.2607
Android (android.graphics.Color)	4285242569 (0xFF6B9CC9)
YUV	146.4790, 26.8789, -34.6231
Hunter-Lab	55.7851, -6.4479, -24.4684

Details

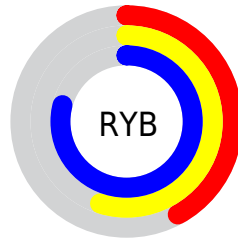
The XYZ color **28.4945, 31.1198, 59.7632** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.9704, 35.9366, 18.8463**, and the grayscale version is **27.4250, 28.8532, 31.4212**.

A 20% lighter version of the original color is **55.9969, 60.9946, 103.4295**, and **11.6833, 12.9135, 29.4806** is the 20% darker color. If you saturate the color by 10%, you get **24.8019, 26.9139, 59.1466**, and if you desaturate by 10%, it is **32.8788, 35.8734, 60.4502**.

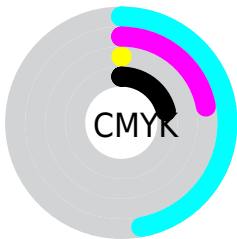
Distribution



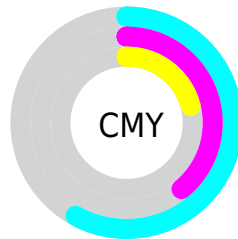
- Red (42%)
- Green (61%)
- Blue (79%)



- Red (42%)
- Yellow (55%)
- Blue (79%)



- Cyan (47%)
- Magenta (22%)
- Yellow (0%)
- Black (21%)



- Cyan (58%)
- Magenta (39%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4945, 31.1198, 59.7632 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 28.4945, 31.1198, 59.7632 by changing the saturation by 10% instead.

■ 28.4945, 31.1198,
59.7632

■ 28.4945, 31.1198,
59.7632

286.8598,
307.0899, 441.5048

■ 18.8411, 20.6901,
42.8037

■ 56.6761, 61.4286,
106.0261

■ 11.6588, 12.8977,
29.4009

■ 75.9350, 82.0766,
136.1666

■ 6.5824, 7.3581,
19.1361

■ 99.1265, 106.8993,
171.5379

■ 3.2463, 3.6871,
11.5909

■ 126.6159,
136.2813, 212.5585

■ 1.2853, 1.5001,
6.3466

158.7686,
170.6070, 259.6469

■ 0.1722, 0.2888,
2.9848

195.9499,

■ 0.0000, 0.0000,

210.2607, 313.2218

1.0869

238.5252,
255.6269, 373.7015

■ 0.0000, 0.0000,
0.0000

■ 28.4945, 31.1198,
59.7632

■ 28.4945, 31.1198,
59.7632

■ 24.8019, 26.9139,
59.1466

■ 32.8788, 35.8734,
60.4502

■ 21.7553, 23.2260,
58.5953

■ 37.9902, 41.1954,
61.2081

■ 19.3083, 20.0282,
58.1070

■ 43.8652, 47.1092,
62.0399

■ 17.4056, 17.2872,
57.6783

■ 50.5369, 53.6360,
62.9481

■ 15.9752, 14.9612,
57.3047

■ 58.0362, 60.7955,
63.9347

■ 15.5716, 14.2749,
57.1935

■ 66.3924, 68.6065,
65.0020

■ 75.6333, 77.0871,
66.1519

■ 80.9164, 83.7445,
67.1584

■ 83.7149, 89.3414,
68.0912

Harmonies

Analogous

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



25.1717, 31.1198, 53.5577



28.4945, 31.1198, 59.7632



32.4091, 31.1198, 57.9367

Triad

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



28.4945, 31.1198, 59.7632



37.0860, 31.1198, 26.6154



24.1042, 31.1198, 22.2447

Complementary

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



28.4945, 31.1198, 59.7632



37.9704, 35.9366, 18.8463

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.



26.9176, 31.1198, 17.6245



28.4945, 31.1198, 59.7632



34.4716, 31.1198, 19.7365

Square

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



28.4945, 31.1198, 59.7632



37.6016, 31.1198, 37.1254



30.6895, 31.1198, 16.8195



22.7863, 31.1198, 30.8373

Rectangle

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



28.4945, 31.1198, 59.7632



34.8165, 31.1198, 52.5520



30.6895, 31.1198, 16.8195



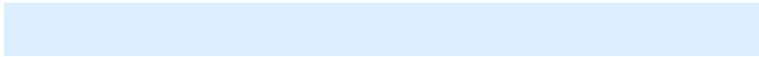
24.8940, 31.1198, 20.2612

Sweetspot

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



28.4955, 31.1210, 59.7639



77.9020, 83.4231, 106.6041



32.5261, 47.1299, 36.6052



16.1622, 17.3503, 22.7470



0.0000, 0.0000, 0.0000



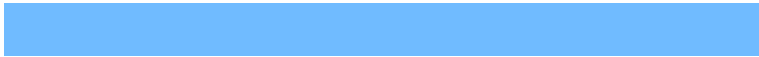
20.3446, 21.4041, 23.3091

Same Dimension

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



28.4955, 31.1210, 59.7639



42.4513, 46.0653, 101.2618



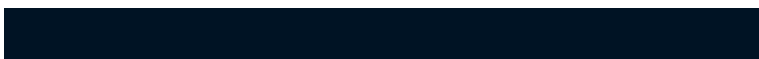
22.1974, 18.5247, 57.6646



10.5064, 11.1869, 13.5230



9.8830, 9.1599, 35.9915



0.5402, 0.5782, 1.7283

Inverse Universe

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



35.3467, 25.3343, 34.4807



55.9872, 36.4649, 50.8986



46.9055, 53.8069, 21.8247



10.8609, 10.7277, 12.2508



16.7878, 8.4647, 9.3585



0.8314, 0.4154, 0.6351

Previews

White Background



This preview shows how the XYZ color 28.4945, 31.1198, 59.7632 looks on a white background.

Color Contrast Check

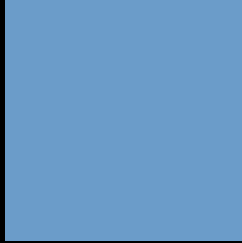
Large Text (above 18pt) WCAG AA × Fail

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 28.4945, 31.1198, 59.7632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

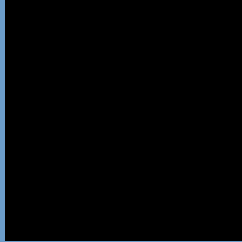
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.4945, 31.1198, 59.7632

Background



This preview shows how black text looks on a background with the XYZ color 28.4945, 31.1198, 59.7632.

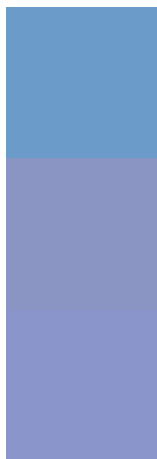


This preview shows how white text looks on a background with the XYZ color 28.4945, 31.1198,

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

28.4945, 31.1198, 59.7632

Protanopia

31.1925, 30.8837, 56.5417

Deuteranopia

31.8435, 31.1251, 60.8293



Tritanopia

25.5304, 31.1984, 44.7207

Trichromacy



Original Color

28.4945, 31.1198, 59.7632

Protanomaly

30.1737, 31.0457, 57.8282

Deuteranomaly

30.4931, 31.1564, 60.2837

Tritanomaly

26.5294, 31.0817, 49.9485

Monochromacy



Original Color

28.4945, 31.1198, 59.7632

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.3050, 29.4714, 40.3258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4945, 31.1198, 59.7632 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(107, 156, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 156, 201) }
```

Border

The CSS property to change the border of an element to XYZ 28.4945, 31.1198, 59.7632 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, 201) }
```


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

```
.border{ border-color:rgb(107, 156, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 156, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 156, 201);  
box-shadow:4px 4px 4px 4px rgb(107, 156,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4945, 31.1198, 59.7632 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, 201) }
```

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

```
.background{ background-color: rgb(107,  
156, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor