

Converting Colors

XYZ(28.8268, 31.0563, 63.4627)

Have a look what the booklet for
XYZ(28.8268, 31.0563, 63.4627)
contains.

XYZ(28.8095, 30.9509, 63.4872)	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(28.8095, 30.9509,
63.4872)**

Conversions

Conversions Part 1

Format	Color
Hex	699BCF
RGB	105, 155, 207
RGB Percent	41%, 61%, 81%
CMY	0.5882, 0.3921, 0.1882
CMYK	0.49, 0.25, 0.00, 0.19
HSL	211°, 52%, 61%
HSV	211°, 49%, 81%
XYZ	28.8095, 30.9509, 63.4872
YIQ	145.9780, -46.4920, 5.5720

Conversions

Conversions Part 2

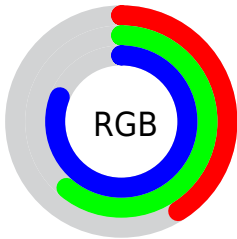
Format	Color
RYB	105, 139, 207
Decimal	6921167
CIELab	62.47, -2.35, -31.80
CIElCh	62, 31.886, 265.777
Yxy	30.9509, 0.2338, 0.2511
Android (android.graphics.Color)	4285111247 (0xFF699BCF)
YUV	145.9780, 30.0838, -35.9377
Hunter-Lab	55.6335, -4.9235, -28.7164

Details

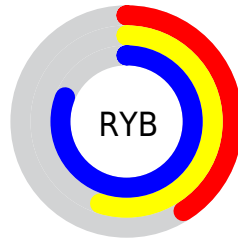
The XYZ color **28.8095, 30.9509, 63.4872** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.3399, 38.4006, 18.6517**, and the grayscale version is **27.2078, 28.6247, 31.1723**.

A 20% lighter version of the original color is **55.5484, 60.3980, 103.3380**, and **11.7901, 12.7720, 31.5496** is the 20% darker color. If you saturate the color by 10%, you get **24.9875, 26.4868, 62.8276**, and if you desaturate by 10%, it is **33.3788, 36.0293, 64.2272**.

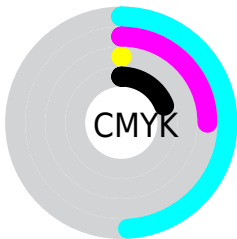
Distribution



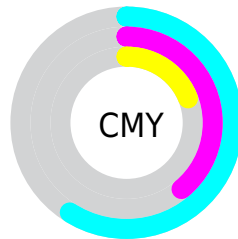
- Red (41%)
- Green (61%)
- Blue (81%)



- Red (41%)
- Yellow (55%)
- Blue (81%)



- Cyan (49%)
- Magenta (25%)
- Yellow (0%)
- Black (19%)



- Cyan (59%)
- Magenta (39%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8095, 30.9509, 63.4872 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 28.8095, 30.9509, 63.4872 by changing the saturation by 10% instead.

■ 28.8095, 30.9509,
63.4872

■ 28.8095, 30.9509,
63.4872

288.3255,
306.3121, 455.4920

■ 19.0803, 20.5615,
45.7919

■ 57.1739, 61.1628,
111.4644

■ 11.8327, 12.8038,
31.7342

■ 76.5399, 81.7540,
142.5835

■ 6.7012, 7.2936,
20.8954

■ 99.8488, 106.5146,
179.0142

■ 3.3206, 3.6464,
12.8571

■ 127.4661,
135.8289, 221.1752

■ 1.3255, 1.4778,
7.2006

159.7570,
170.0815, 269.4849

■ 0.2022, 0.2730,
3.5075

197.0870,

■ 0.0000, 0.0000,

209.6566, 324.3619

1.3593

239.8214,
254.9386, 386.2248

■ 0.0000, 0.0000,
0.1096

■ 0.0000, 0.0000,
0.0000

■ 28.8095, 30.9509,
63.4872

■ 28.8095, 30.9509,
63.4872

■ 24.9875, 26.4868,
62.8276

■ 33.3788, 36.0293,
64.2272

■ 21.8621, 22.6033,
62.2427

■ 38.7354, 41.7464,
65.0484

■ 19.3804, 19.2678,
61.7297

■ 44.9197, 48.1292,
65.9544

■ 17.4797, 16.4414,
61.2843

■ 51.9686, 55.2017,
66.9480

■ 16.0561, 14.0641,
60.9005

■ 59.9165, 62.9868,
68.0318

■ 15.9621, 13.9040,
60.8745

■ 68.7959, 71.5062,
69.2082

■ 78.6374, 80.7804,
70.4796

■ 83.4943, 87.7484,
71.5686

■ 86.6820, 94.1239,
72.6312

Harmonies

Analogous

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



24.9823, 30.9509, 57.4920



28.8095, 30.9509, 63.4872



33.1865, 30.9509, 60.0337

Triad

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



28.8095, 30.9509, 63.4872



37.5642, 30.9509, 24.3637



23.0607, 30.9509, 21.9968

Complementary

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



28.8095, 30.9509, 63.4872



40.3399, 38.4006, 18.6517

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.



25.9460, 30.9509, 16.4749



28.8095, 30.9509, 63.4872



34.3498, 30.9509, 17.5879

Square

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



28.8095, 30.9509, 63.4872



38.5201, 30.9509, 35.4855



30.0348, 30.9509, 15.0846



21.8760, 30.9509, 31.9760

Rectangle

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



28.8095, 30.9509, 63.4872



35.7923, 30.9509, 53.2009



30.0348, 30.9509, 15.0846



23.8491, 30.9509, 19.6634

Sweetspot

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



28.8106, 30.9520, 63.4879



76.4427, 81.6367, 106.3362



34.1403, 50.0300, 39.3111



15.8588, 16.9662, 22.6889



0.0000, 0.0000, 0.0000



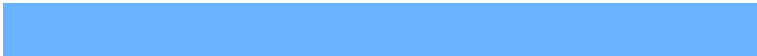
20.3446, 21.4041, 23.3091

Same Dimension

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



28.8106, 30.9520, 63.4879



39.8030, 42.1561, 100.6468



22.1409, 17.6126, 61.2647



11.6353, 12.3608, 15.0163



10.1510, 8.9485, 38.3847



0.6469, 0.6590, 2.1727

Inverse Universe

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



36.7010, 25.7362, 34.0446



54.3118, 34.4981, 46.0735



50.5955, 58.9117, 22.0702



12.0468, 11.9035, 13.5223



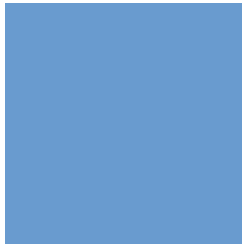
17.7545, 8.9746, 8.8791



1.0328, 0.5178, 0.7073

Previews

White Background



This preview shows how the XYZ color 28.8095, 30.9509, 63.4872 looks on a white background.

Color Contrast Check

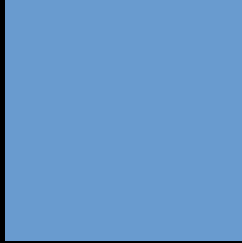
Large Text (above 18pt) WCAG AA × Fail

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 28.8095, 30.9509, 63.4872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

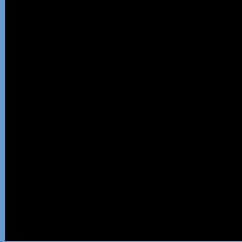
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.8095, 30.9509, 63.4872

Background



This preview shows how black text looks on a background with the XYZ color 28.8095, 30.9509, 63.4872.

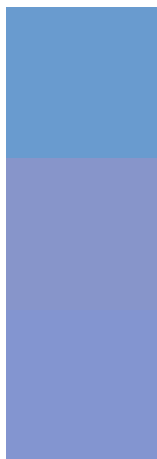


This preview shows how white text looks on a background with the XYZ color 28.8095, 30.9509,

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

28.8095, 30.9509, 63.4872

Protanopia

31.3998, 30.9101, 60.1884

Deuteranopia

31.4927, 30.8743, 63.9740



Tritanopia

25.0009, 30.9254, 44.6959

Trichromacy



Original Color

28.8095, 30.9509, 63.4872

Protanomaly

30.2779, 30.7779, 61.4717

Deuteranomaly

30.4778, 30.8249, 64.0179

Tritanomaly

26.2981, 30.9381, 51.0400

Monochromacy



Original Color

28.8095, 30.9509, 63.4872

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.1754, 29.1473, 41.2395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8095, 30.9509, 63.4872 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(105, 155, 207)` looks like.

```
.text, #text, p{  
    color:rgb(105, 155, 207)  
}
```

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(105, 155, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 155, 207) }
```

Border

The CSS property to change the border of an element to XYZ 28.8095, 30.9509, 63.4872 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(105, 155, 207) }
```


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

```
.border{ border-color:rgb(105, 155, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 155, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 155, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 155, 207);  
box-shadow:4px 4px 4px 4px rgb(105, 155,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8095, 30.9509, 63.4872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 155, 207) }
```

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

```
.background{ background-color: rgb(105,  
155, 207) }
```

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