

Converting Colors

XYZ(28.8716, 30.4154, 63.7917)

Have a look what the booklet for
XYZ(28.8716, 30.4154, 63.7917)
contains.

XYZ(28.9607, 30.5247, 64.0400)	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(28.9607, 30.5247,
64.0400)**

Conversions

Conversions Part 1

Format	Color
Hex	6C99D0
RGB	108, 153, 208
RGB Percent	42%, 60%, 82%
CMY	0.5765, 0.4000, 0.1843
CMYK	0.48, 0.26, 0.00, 0.18
HSL	213°, 52%, 62%
HSV	213°, 48%, 82%
XYZ	28.9607, 30.5247, 64.0400
YIQ	145.8150, -44.4750, 7.5650

Conversions

Conversions Part 2

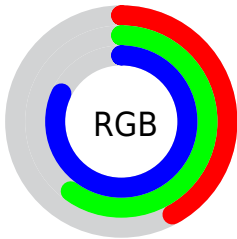
Format	Color
R _Y B	108, 139, 208
Decimal	7117264
CIE Lab	62.10, -0.20, -32.91
CIE LCh	62, 32.907, 269.649
Yxy	30.5247, 0.2345, 0.2471
Android (android.graphics.Color)	4285307344 (0xFF6C99D0)
YUV	145.8150, 30.6572, -33.1638
Hunter-Lab	55.2492, -3.1193, -30.0494

Details

The XYZ color **28.9607, 30.5247, 64.0400** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.8173, 40.6880, 19.8380**, and the grayscale version is **27.1384, 28.5517, 31.0928**.

A 20% lighter version of the original color is **55.6727, 59.7382, 103.2041**, and **11.8664, 12.5065, 31.9256** is the 20% darker color. If you saturate the color by 10%, you get **24.9429, 25.8063, 63.3416**, and if you desaturate by 10%, it is **33.7636, 35.9155, 64.8280**.

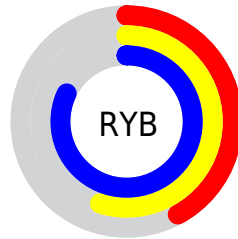
Distribution



Red (42%)

Green (60%)

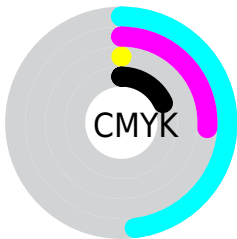
Blue (82%)



Red (42%)

Yellow (55%)

Blue (82%)

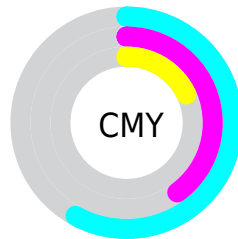


Cyan (48%)

Magenta (26%)

Yellow (0%)

Black (18%)



Cyan (58%)

Magenta (40%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9607, 30.5247, 64.0400 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 28.9607, 30.5247, 64.0400 by changing the saturation by 10% instead.

■ 28.9607, 30.5247,
64.0400

■ 28.9607, 30.5247,
64.0400

289.0270,
304.3426, 457.5455

■ 19.1952, 20.2372,
46.2367

■ 57.4126, 60.4910,
112.2686

■ 11.9163, 12.5676,
32.0826

■ 76.8298, 80.9385,
143.5309

■ 6.7585, 7.1315,
21.1593

■ 100.1949,
105.5416, 180.1166

■ 3.3565, 3.5445,
13.0481

■ 127.8733,
134.6845, 222.4443

■ 1.3450, 1.4222,
7.3306

160.2304,
168.7516, 270.9325

■ 0.2165, 0.2330,
3.5881

197.6314,

■ 0.0000, 0.0000,

208.1274, 325.9998

1.4022

240.4419,
253.1963, 388.0646

■ 0.0000, 0.0000,
0.1434

■ 0.0000, 0.0000,
0.0000

■ 28.9607, 30.5247,
64.0400

■ 28.9607, 30.5247,
64.0400

■ 24.9429, 25.8063,
63.3416

■ 33.7636, 35.9155,
64.8280

■ 21.6583, 21.7243,
62.7268

■ 39.3926, 42.0053,
65.7067

■ 19.0533, 18.2440,
62.1923

■ 45.8892, 48.8230,
66.6803

■ 17.0644, 15.3243,
61.7336

■ 53.2914, 56.3948,
67.7516

■ 15.6003, 12.9097,
61.3447

■ 61.6346, 64.7452,
68.9237

■ 15.3525, 12.4886,
61.2765

■ 70.9523, 73.8979,
70.1992

■ 81.2761, 83.8752,
71.5809

■ 85.1336, 90.8307,
72.7202

■ 88.3853, 97.3341,
73.8041

Harmonies

Analogous

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



24.9227, 30.5247, 59.0077



28.9607, 30.5247, 64.0400



33.4282, 30.5247, 59.2270

Triad

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



28.9607, 30.5247, 64.0400



37.0525, 30.5247, 22.5814



22.2730, 30.5247, 22.3821

Complementary

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



28.9607, 30.5247, 64.0400



41.8173, 40.6880, 19.8380

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.



25.0044, 30.5247, 16.2396



28.9607, 30.5247, 64.0400



33.5276, 30.5247, 16.3324

Square

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



28.9607, 30.5247, 64.0400



38.3790, 30.5247, 33.3858



29.0650, 30.5247, 14.3401



21.3097, 30.5247, 33.0871

Rectangle

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



28.9607, 30.5247, 64.0400



35.9914, 30.5247, 51.6398



29.0650, 30.5247, 14.3401



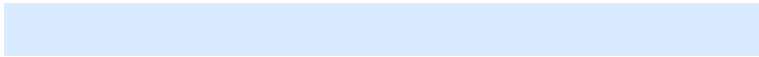
23.0002, 30.5247, 19.8247

Sweetspot

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



28.9618, 30.5258, 64.0407



77.1667, 81.9525, 106.3590



35.2036, 50.8857, 41.8401



15.9835, 16.9927, 22.6875



0.0000, 0.0000, 0.0000



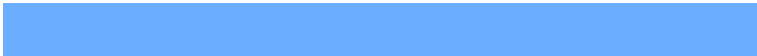
20.3446, 21.4041, 23.3091

Same Dimension

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



28.9618, 30.5258, 64.0407



39.1949, 40.4910, 100.3575



23.3463, 18.6815, 62.0505



11.5955, 12.2812, 15.0030



9.6621, 7.9708, 38.2218



0.6189, 0.6031, 2.1634

Inverse Universe

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



37.1256, 26.4360, 33.2840



54.1145, 34.8388, 43.7407



50.3483, 59.1269, 22.9474



12.0267, 11.8954, 13.4164



17.5077, 8.8759, 7.5797



1.0186, 0.5122, 0.6330

Previews

White Background



This preview shows how the XYZ color 28.9607, 30.5247, 64.0400 looks on a white background.

Color Contrast Check

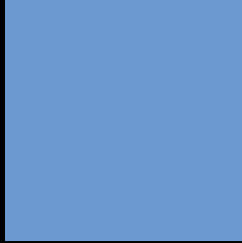
Large Text (above 18pt) WCAG AA × Fail

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 28.9607, 30.5247, 64.0400 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

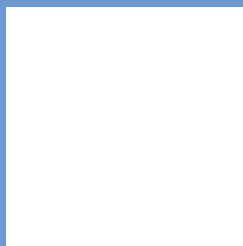
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9607, 30.5247, 64.0400

Background



This preview shows how black text looks on a background with the XYZ color 28.9607, 30.5247, 64.0400.

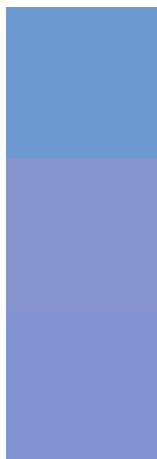


This preview shows how white text looks on a background with the XYZ color 28.9607, 30.5247,

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

28.9607, 30.5247, 64.0400

Protanopia

31.1619, 30.5260, 61.3764

Deuteranopia

31.1518, 30.4504, 64.5572



Tritanopia

24.9470, 30.6616, 43.6332

Trichromacy



Original Color

28.9607, 30.5247, 64.0400

Protanomaly

30.2380, 30.5056, 62.0521

Deuteranomaly

30.3001, 30.4811, 64.6081

Tritanomaly

26.1808, 30.3834, 50.3837

Monochromacy



Original Color

28.9607, 30.5247, 64.0400

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.4246, 29.2650, 41.7394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9607, 30.5247, 64.0400 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(108, 153, 208)` looks like.

```
.text, #text, p{  
    color:rgb(108, 153, 208)  
}
```

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(108, 153, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 153, 208) }
```

Border

The CSS property to change the border of an element to XYZ 28.9607, 30.5247, 64.0400 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(108, 153, 208) }
```


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

```
.border{ border-color:rgb(108, 153, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 153, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 153, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 153, 208);  
box-shadow:4px 4px 4px 4px rgb(108, 153,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9607, 30.5247, 64.0400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 153, 208) }
```

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

```
.background{ background-color: rgb(108,  
153, 208) }
```

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