

Converting Colors

XYZ(28.2244, 28.6846, 67.6685)

Have a look what the booklet for
XYZ(28.2244, 28.6846, 67.6685)
contains.

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Color

**XYZ(28.1648, 28.6060,
67.6554)**

Conversions

Conversions Part 1

Format	Color
Hex	6793D6
RGB	103, 147, 214
RGB Percent	40%, 58%, 84%
CMY	0.5961, 0.4235, 0.1608
CMYK	0.52, 0.31, 0.00, 0.16
HSL	216°, 58%, 62%
HSV	216°, 52%, 84%
XYZ	28.1648, 28.6060, 67.6554
YIQ	141.4820, -47.7310, 11.5090

Conversions

Conversions Part 2

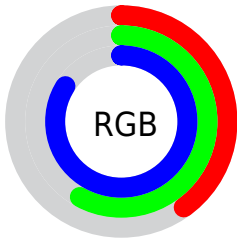
Format	Color
R_{YB}	103, 135, 214
Decimal	6788054
CIE _{Lab}	60.43, 3.89, -38.89
CIE _{LCh}	60, 39.080, 275.719
Yxy	28.6060, 0.2264, 0.2299
Android (android.graphics.Color)	4284978134 (0xFF6793D6)
YUV	141.4820, 35.7514, -33.7487
Hunter-Lab	53.4846, 0.3995, -37.5598

Details

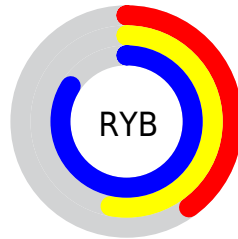
The XYZ color **28.1648, 28.6060, 67.6554** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.5557, 44.0265, 18.9829**, and the grayscale version is **25.3849, 26.7069, 29.0838**.

A 20% lighter version of the original color is **53.4338, 56.4669, 102.6907**, and **11.4875, 11.5448, 34.4238** is the 20% darker color. If you saturate the color by 10%, you get **24.1199, 23.7049, 66.9231**, and if you desaturate by 10%, it is **33.0654, 34.2841, 68.4937**.

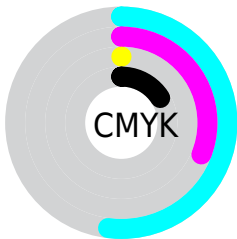
Distribution



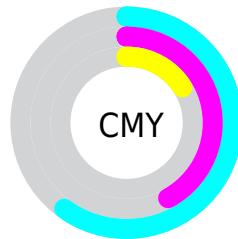
- Red (40%)
- Green (58%)
- Blue (84%)



- Red (40%)
- Yellow (53%)
- Blue (84%)



- Cyan (52%)
- Magenta (31%)
- Yellow (0%)
- Black (16%)



- Cyan (60%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1648, 28.6060, 67.6554 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 28.1648, 28.6060, 67.6554 by changing the saturation by 10% instead.

■ 28.1648, 28.6060,
67.6554

■ 28.1648, 28.6060,
67.6554

285.3194,
295.3514, 470.8390

■ 18.5910, 18.7830,
49.1525

■ 56.1543, 57.4505,
117.5086

■ 11.4774, 11.5136,
34.3740

■ 75.3006, 77.2408,
149.6959

■ 6.4585, 6.4134,
22.9014

■ 98.3686, 101.1222,
187.2819

■ 3.1691, 3.0980,
14.3161

■ 125.7235,
129.4793, 230.6849

■ 1.2438, 1.1831,
8.1996

157.7306,
162.6964, 280.3236

■ 0.1406, 0.0479,
4.1333

194.7554,

■ 0.0000, 0.0000,

201.1578, 336.6165

1.6988

237.1632,
245.2480, 399.9821

■ 0.0000, 0.0000,
0.3599

■ 0.0000, 0.0000,
0.0000

■ 28.1648, 28.6060,
67.6554

■ 28.1648, 28.6060,
67.6554

■ 24.1199, 23.7049,
66.9231

■ 33.0654, 34.2841,
68.4937

■ 20.8713, 19.5376,
66.2900

■ 38.8695, 40.7729,
69.4402

■ 18.3560, 16.0605,
65.7514

■ 45.6246, 48.1073,
70.4999

■ 16.4984, 13.2224,
65.3015

■ 53.3742, 56.3194,
71.6765

■ 15.3726, 11.3248,
64.9946

■ 62.1585, 65.4393,
72.9738

■ 72.0158, 75.4956,
74.3954

■ 82.9821, 86.5154,
75.9444

■ 87.6695, 94.6987,
77.2769

■ 89.1377, 97.6351,
77.7663

Harmonies

Analogous

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



23.4014, 28.6060, 63.8492



28.1648, 28.6060, 67.6554



33.2381, 28.6060, 59.4960

Triad

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



28.1648, 28.6060, 67.6554



35.8255, 28.6060, 17.6087



19.2887, 28.6060, 21.0855

Complementary

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



28.1648, 28.6060, 67.6554



44.5557, 44.0265, 18.9829

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.



21.9226, 28.6060, 13.6315



28.1648, 28.6060, 67.6554



31.3650, 28.6060, 12.1009

Square

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



28.1648, 28.6060, 67.6554



37.9976, 28.6060, 28.4664



26.2363, 28.6060, 10.9105



18.6533, 28.6060, 33.9909

Rectangle

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



28.1648, 28.6060, 67.6554



35.9932, 28.6060, 49.5069



26.2363, 28.6060, 10.9105



19.9523, 28.6060, 18.0012

Sweetspot

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



28.1658, 28.6070, 67.6561



74.2406, 78.3474, 105.8174



36.8590, 53.8647, 46.2876



15.3800, 16.2282, 22.5717



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.



28.1658, 28.6070, 67.6561



35.4652, 34.7481, 99.4456



23.9415, 18.1410, 65.8586



12.1425, 12.8083, 15.7698



9.3868, 7.0353, 39.3164



0.6458, 0.5836, 2.3979

Inverse Universe

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



37.8492, 26.1044, 30.6484



51.8129, 32.3139, 36.5665



51.0969, 61.7556, 22.0602



12.6251, 12.5015, 13.9661



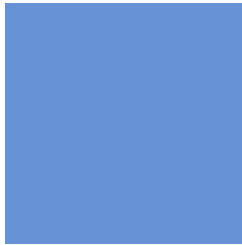
17.7969, 9.0551, 6.2343



1.1136, 0.5622, 0.5877

Previews

White Background



This preview shows how the XYZ color 28.1648, 28.6060, 67.6554 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1648, 28.6060, 67.6554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

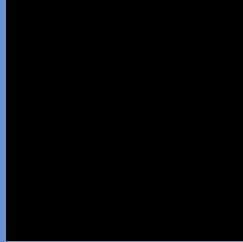
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.1648, 28.6060, 67.6554

Background



This preview shows how black text looks on a background with the XYZ color 28.1648, 28.6060, 67.6554.

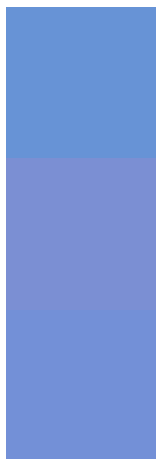


This preview shows how white text looks on a background with the XYZ color 28.1648, 28.6060,

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

28.1648, 28.6060, 67.6554

Protanopia

29.7487, 28.5590, 65.5725

Deuteranopia

29.3092, 28.4977, 68.2458



Tritanopia

22.9809, 28.6788, 41.3701

Trichromacy



Original Color

28.1648, 28.6060, 67.6554

Protanomaly

29.0594, 28.4130, 66.2400

Deuteranomaly

28.9467, 28.5366, 68.2724

Tritanomaly

24.6624, 28.6124, 50.1218

Monochromacy



Original Color

28.1648, 28.6060, 67.6554

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.6427, 26.9841, 40.9027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1648, 28.6060, 67.6554 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(103, 147, 214)` looks like.

```
.text, #text, p{  
    color:rgb(103, 147, 214)  
}
```

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(103, 147, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 147, 214) }
```

Border

The CSS property to change the border of an element to XYZ 28.1648, 28.6060, 67.6554 is called "border". The border property can be set on classes, ids or directly on the HTML element.

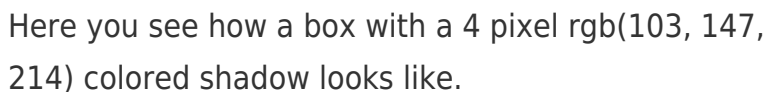
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 147, 214) }
```


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

```
.border{ border-color:rgb(103, 147, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 147, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 147, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 147, 214);  
box-shadow:4px 4px 4px 4px rgb(103, 147,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1648, 28.6060, 67.6554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 147, 214) }
```

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

```
.background{ background-color: rgb(103,  
147, 214) }
```

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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