

Converting Colors

XYZ(21.8850, 17.4866, 60.9656)

Have a look what the booklet for
XYZ(21.8850, 17.4866, 60.9656)
contains.

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Color

**XYZ(21.9076, 17.4917,
61.2531)**

Conversions

Conversions Part 1

Format	Color
Hex	6769CF
RGB	103, 105, 207
RGB Percent	40%, 41%, 81%
CMY	0.5961, 0.5882, 0.1882
CMYK	0.50, 0.49, 0.00, 0.19
HSL	239°, 52%, 61%
HSV	239°, 50%, 81%
XYZ	21.9076, 17.4917, 61.2531
YIQ	116.0300, -33.9340, 31.2980

Conversions

Conversions Part 2

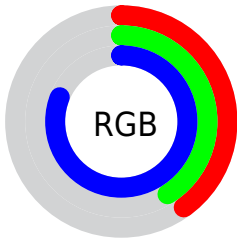
Format	Color
R_{YB}	103, 105, 207
Decimal	6777295
CIE _{Lab}	48.87, 26.94, -53.25
CIE _{LCh}	49, 59.676, 296.832
Yxy	17.4917, 0.2177, 0.1738
Android (android.graphics.Color)	4284967375 (0xFF6769CF)
YUV	116.0300, 44.8482, -11.4273
Hunter-Lab	41.8231, 20.3108, -57.5586

Details

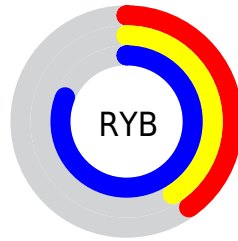
The XYZ color **21.9076, 17.4917, 61.2531** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **50.0131, 57.9097, 21.3750**, and the grayscale version is **16.4847, 17.3432, 18.8868**.

A 20% lighter version of the original color is **44.4357, 38.4705, 99.6913**, and **8.1354, 5.7854, 30.3937** is the 20% darker color. If you saturate the color by 10%, you get **17.9936, 12.7622, 60.5469**, and if you desaturate by 10%, it is **26.9043, 23.5125, 62.1522**.

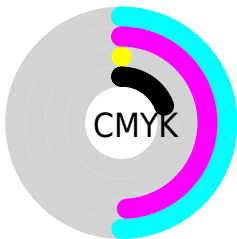
Distribution



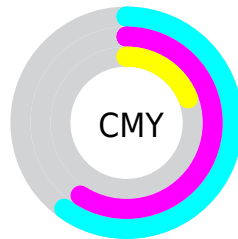
- Red (40%)
- Green (41%)
- Blue (81%)



- Red (40%)
- Yellow (41%)
- Blue (81%)



- Cyan (50%)
- Magenta (49%)
- Yellow (0%)
- Black (19%)



- Cyan (60%)
- Magenta (59%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9076, 17.4917, 61.2531 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 21.9076, 17.4917, 61.2531 by changing the saturation by 10% instead.

■ 21.9076, 17.4917,
61.2531

■ 21.9076, 17.4917,
61.2531

254.7048,
237.9902, 447.1336

■ 13.9052, 10.5857,
43.9976

■ 46.0732, 39.1693,
108.2064

■ 8.1361, 5.7890,
30.3314

■ 62.9672, 54.7096,
138.7413

■ 4.2347, 2.7172,
19.8361

■ 83.5558, 73.8968,
174.5397

■ 1.8357, 0.9859,
12.0931

■ 108.2043, 97.1153,
216.0202

■ 0.5391, 0.0000,
6.6838

137.2781,
124.7495, 263.6013

■ 0.0000, 0.0000,
3.1897

171.1425,

■ 0.0000, 0.0000,

157.1838, 317.7015

1.1923

210.1630,
194.8026, 378.7395

■ 0.0000, 0.0000,
0.0000

■ 21.9076, 17.4917,
61.2531

■ 21.9076, 17.4917,
61.2531

■ 17.9936, 12.7622,
60.5469

■ 26.9043, 23.5125,
62.1522

■ 15.0803, 9.2280,
60.0183

■ 33.0534, 30.9076,
63.2555

■ 13.0774, 6.7828,
59.6518

■ 40.4213, 39.7551,
64.5750

■ 11.8776, 5.3006,
59.4290

■ 49.0686, 50.1270,
66.1212

■ 11.3057, 4.5913,
59.3222

■ 59.0522, 62.0902,
67.9041

■ 70.4252, 75.7078,
69.9332

■ 83.2380, 91.0394,
72.2171

■ 88.2626, 97.2850,
73.1578

Harmonies

Analogous

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



16.0441, 17.4917, 68.5769



21.9076, 17.4917, 61.2531



27.2218, 17.4917, 41.0648

Triad

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



21.9076, 17.4917, 61.2531



23.1550, 17.4917, 3.2277



8.1012, 17.4917, 17.4102

Complementary

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



21.9076, 17.4917, 61.2531



50.0131, 57.9097, 21.3750

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.



9.2123, 17.4917, 6.7623



21.9076, 17.4917, 61.2531



17.2205, 17.4917, 1.9433

Square

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



21.9076, 17.4917, 61.2531



28.0471, 17.4917, 8.3333



12.2687, 17.4917, 2.7389



8.8212, 17.4917, 36.3852

Rectangle

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



21.9076, 17.4917, 61.2531



29.2925, 17.4917, 26.8680



12.2687, 17.4917, 2.7389



8.2656, 17.4917, 12.9110

Sweetspot

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



21.9084, 17.4923, 61.2535



71.5289, 71.8091, 104.6983



38.7503, 51.8471, 64.7994



14.6870, 14.6227, 22.2983



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.



21.9084, 17.4923, 61.2535



28.5746, 20.1351, 96.9881



28.9756, 20.8373, 61.5267



11.1816, 11.4535, 14.8651



7.1309, 2.9085, 37.3780



0.4053, 0.1757, 2.0921

Inverse Universe

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



33.1329, 23.9869, 16.2486



48.5379, 31.7814, 16.9237



38.9545, 52.9221, 20.9952



11.8178, 11.8119, 12.3164



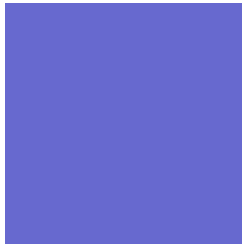
16.2301, 8.3649, 0.8519



0.9108, 0.4690, 0.0650

Previews

White Background



This preview shows how the XYZ color 21.9076, 17.4917, 61.2531 looks on a white background.

Color Contrast Check

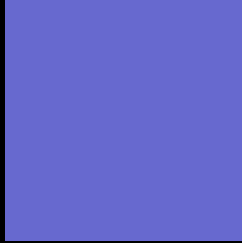
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.9076, 17.4917, 61.2531 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 21.9076, 17.4917, 61.2531

Background



This preview shows how black text looks on a background with the XYZ color 21.9076, 17.4917, 61.2531.



This preview shows how white text looks on a background with the XYZ color 21.9076, 17.4917,

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

21.9076, 17.4917, 61.2531

Protanopia

20.1098, 17.5514, 66.6178

Deuteranopia

18.0971, 17.5135, 59.5534



Tritanopia

14.6249, 17.5648, 24.8098

Trichromacy



Original Color

21.9076, 17.4917, 61.2531

Protanomaly

20.4942, 17.3104, 64.5484

Deuteranomaly

18.9112, 17.2422, 60.0890

Tritanomaly

16.6151, 17.1036, 35.6833

Monochromacy



Original Color

21.9076, 17.4917, 61.2531

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.7745, 17.1378, 30.8049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9076, 17.4917, 61.2531 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, 105, 207)` looks like.

```
.text, #text, p{  
    color:rgb(103, 105, 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(103, 105, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 105, 207) }
```

Border

The CSS property to change the border of an element to XYZ 21.9076, 17.4917, 61.2531 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, 105, 207) }
```


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

```
.border{ border-color:rgb(103, 105, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 105, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 105, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 105, 207);  
box-shadow:4px 4px 4px 4px rgb(103, 105,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9076, 17.4917, 61.2531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 105, 207) }
```

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

```
.background{ background-color: rgb(103,  
105, 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](#).

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