

Converting Colors

XYZ(21.4907, 17.9791, 57.5960)

Have a look what the booklet for
XYZ(21.4907, 17.9791, 57.5960)
contains.

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Color

**XYZ(21.4907, 17.9791,
57.5960)**

Conversions

Conversions Part 1

Format	Color
Hex	666DC9
RGB	102, 109, 201
RGB Percent	40%, 43%, 79%
CMY	0.6000, 0.5725, 0.2118
CMYK	0.49, 0.46, 0.00, 0.21
HSL	236°, 48%, 59%
HSV	236°, 49%, 79%
XYZ	21.4907, 17.9791, 57.5960
YIQ	117.3950, -33.7040, 27.1280

Conversions

Conversions Part 2

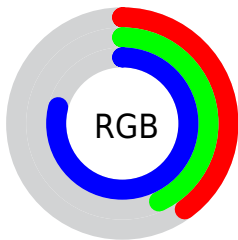
Format	Color
R _Y B	102, 109, 201
Decimal	6712777
CIE Lab	49.47, 22.41, -48.87
CIE LCh	49, 53.760, 294.632
Yxy	17.9791, 0.2214, 0.1852
Android (android.graphics.Color)	4284902857 (0xFF666DC9)
YUV	117.3950, 41.2173, -13.5014
Hunter-Lab	42.4018, 16.2669, -50.8547

Details

The XYZ color **21.4907, 17.9791, 57.5960** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **45.7785, 51.9619, 20.1883**, and the grayscale version is **16.9152, 17.7961, 19.3799**.

A 20% lighter version of the original color is **44.7214, 39.6307, 99.9002**, and **7.9072, 6.0342, 27.9421** is the 20% darker color. If you saturate the color by 10%, you get **17.6974, 13.3734, 56.9073**, and if you desaturate by 10%, it is **26.2611, 23.7175, 58.4526**.

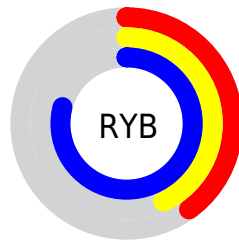
Distribution



Red (40%)

Green (43%)

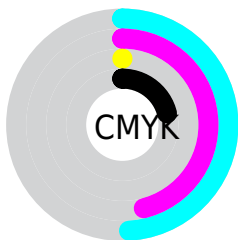
Blue (79%)



Red (40%)

Yellow (43%)

Blue (79%)

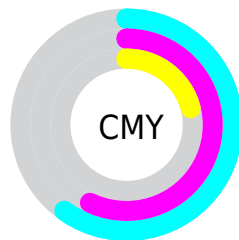


Cyan (49%)

Magenta (46%)

Yellow (0%)

Black (21%)



Cyan (60%)

Magenta (57%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4907, 17.9791, 57.5960 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 21.4907, 17.9791, 57.5960 by changing the saturation by 10% instead.

■ 21.4907, 17.9791,
57.5960

■ 21.4907, 17.9791,
57.5960

252.5576,
240.7532, 433.2350

■ 13.5977, 10.9350,
41.0714

■ 45.3879, 40.0017,
102.8433

■ 7.9212, 6.0231,
28.0548

■ 62.1228, 55.7490,
132.4030

■ 4.0959, 2.8592,
18.1275

■ 82.5357, 75.1661,
167.1449

■ 1.7566, 1.0586,
10.8712

■ 106.9920, 98.6375,
207.4874

■ 0.4913, 0.0000,
5.8672

135.8569,
126.5475, 253.8491

■ 0.0000, 0.0000,
2.6970

169.4959,

■ 0.0000, 0.0000,

159.2805, 306.6486

0.9419

208.2744,
197.2210, 366.3044

■ 0.0000, 0.0000,
0.0000

■ 21.4907, 17.9791,
57.5960

■ 21.4907, 17.9791,
57.5960

■ 17.6974, 13.3734,
56.9073

■ 26.2611, 23.7175,
58.4526

■ 14.8114, 9.8236,
56.3742

■ 32.0676, 30.6549,
59.4856

■ 12.7569, 7.2460,
55.9850

■ 38.9671, 38.8549,
60.7047

■ 11.4451, 5.5436,
55.7255

■ 47.0118, 48.3757,
62.1184

■ 10.7410, 4.5858,
55.5778

■ 56.2505, 59.2722,
63.7347

■ 10.7025, 4.5368,
55.5703

■ 66.7292, 71.5960,
65.5611

■ 78.4914, 85.3962,
67.6049

■ 87.5427, 96.9971,
69.3671

Harmonies

Analogous

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



16.1911, 17.9791, 62.7143



21.4907, 17.9791, 57.5960



26.3536, 17.9791, 40.6391

Triad

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



21.4907, 17.9791, 57.5960



23.3879, 17.9791, 4.4794



9.0928, 17.9791, 17.0742

Complementary

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



21.4907, 17.9791, 57.5960



45.7785, 51.9619, 20.1883

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.



10.2978, 17.9791, 7.4393



21.4907, 17.9791, 57.5960



18.0187, 17.9791, 2.8463

Square

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



21.4907, 17.9791, 57.5960



27.5922, 17.9791, 10.0797



13.3328, 17.9791, 3.5700



9.6596, 17.9791, 33.7004

Rectangle

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



21.4907, 17.9791, 57.5960



28.3413, 17.9791, 27.9639



13.3328, 17.9791, 3.5700



9.2955, 17.9791, 13.0598

Sweetspot

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



21.4914, 17.9797, 57.5965



72.0411, 72.8335, 104.8690



35.9646, 48.4378, 57.7604



14.8082, 14.8651, 22.3387



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.



21.4914, 17.9797, 57.5965



29.9748, 22.4997, 97.3708



26.6659, 19.5828, 57.6332



10.1159, 10.4059, 13.3929



6.7547, 2.9033, 34.9487



0.3413, 0.1803, 1.6620

Inverse Universe

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



31.5997, 23.0253, 17.2473



49.3510, 32.5138, 19.9501



37.7329, 50.1810, 20.2686



10.6638, 10.6489, 11.2127



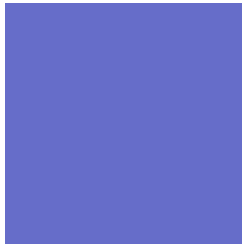
15.2088, 7.8331, 1.0435



0.7310, 0.3752, 0.1064

Previews

White Background



This preview shows how the XYZ color 21.4907, 17.9791, 57.5960 looks on a white background.

Color Contrast Check

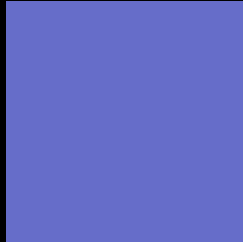
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4907, 17.9791, 57.5960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

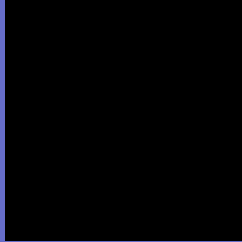
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4907, 17.9791, 57.5960

Background



This preview shows how black text looks on a background with the XYZ color 21.4907, 17.9791, 57.5960.



This preview shows how white text looks on a background with the XYZ color 21.4907, 17.9791,

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

21.4907, 17.9791, 57.5960

Protanopia

20.0595, 17.9867, 60.8070

Deuteranopia

18.5909, 18.0102, 56.5293



Tritanopia

14.9904, 17.9304, 25.2251

Trichromacy



Original Color

21.4907, 17.9791, 57.5960

Protanomaly

20.4396, 17.8793, 59.5005

Deuteranomaly

19.4577, 17.9275, 57.0784

Tritanomaly

16.8882, 17.7861, 34.8907

Monochromacy



Original Color

21.4907, 17.9791, 57.5960

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.0447, 17.6175, 30.4664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4907, 17.9791, 57.5960 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(102, 109, 201)` looks like.

```
.text, #text, p{  
    color:rgb(102, 109, 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(102, 109, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 109, 201) }
```

Border

The CSS property to change the border of an element to XYZ 21.4907, 17.9791, 57.5960 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(102, 109, 201) }
```


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

```
.border{ border-color:rgb(102, 109, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 109, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 109, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 109, 201);  
box-shadow:4px 4px 4px 4px rgb(102, 109,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4907, 17.9791, 57.5960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 109, 201) }
```

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

```
.background{ background-color: rgb(102,  
109, 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](#).

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