

Converting Colors

XYZ(21.1694, 16.7580, 59.2460)

Have a look what the booklet for
XYZ(21.1694, 16.7580, 59.2460)
contains.

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Color

**XYZ(21.1299, 16.6872,
59.2340)**

Conversions

Conversions Part 1

Format	Color
Hex	6666CC
RGB	102, 102, 204
RGB Percent	40%, 40%, 80%
CMY	0.6000, 0.6000, 0.2000
CMYK	0.50, 0.50, 0.00, 0.20
HSL	240°, 50%, 60%
HSV	240°, 50%, 80%
XYZ	21.1299, 16.6872, 59.2340
YIQ	113.6280, -32.7420, 31.7220

Conversions

Conversions Part 2

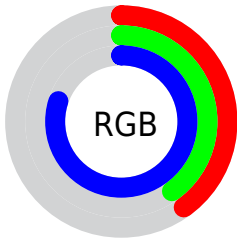
Format	Color
R _Y B	102, 102, 204
Decimal	6710988
CIE Lab	47.86, 27.62, -53.16
CIE LCh	48, 59.905, 297.455
Yxy	16.6872, 0.2177, 0.1719
Android (android.graphics.Color)	4284901068 (0xFF6666CC)
YUV	113.6280, 44.5534, -10.1978
Hunter-Lab	40.8500, 20.8428, -57.3778

Details

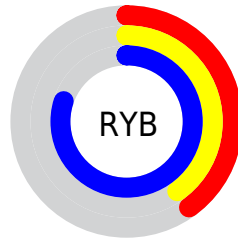
The XYZ color **21.1299, 16.6872, 59.2340** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **48.8927, 56.9825, 20.9926**, and the grayscale version is **15.7618, 16.5826, 18.0585**.

A 20% lighter version of the original color is **43.7393, 37.3734, 99.5162**, and **7.7055, 5.3737, 29.0649** is the 20% darker color. If you saturate the color by 10%, you get **17.3319, 12.1105, 58.5511**, and if you desaturate by 10%, it is **25.9914, 22.5447, 60.1087**.

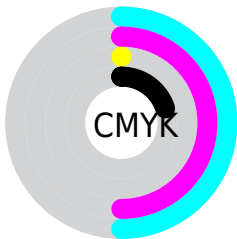
Distribution



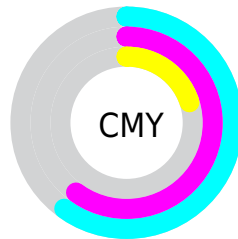
- Red (40%)
- Green (40%)
- Blue (80%)



- Red (40%)
- Yellow (40%)
- Blue (80%)



- Cyan (50%)
- Magenta (50%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1299, 16.6872, 59.2340 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 21.1299, 16.6872, 59.2340 by changing the saturation by 10% instead.

■ 21.1299, 16.6872,
59.2340

■ 21.1299, 16.6872,
59.2340

250.6867,
233.3633, 439.4945

■ 13.3320, 10.0117,
42.3803

■ 44.7933, 37.7872,
105.2501

■ 7.7361, 5.4067,
29.0714

■ 61.3894, 52.9805,
135.2496

■ 3.9769, 2.4878,
18.8888

■ 81.6491, 71.7818,
170.4681

■ 1.6891, 0.8705,
11.4139

■ 105.9375, 94.5756,
211.3242

■ 0.4494, 0.0000,
6.2283

134.6202,
121.7463, 258.2363

■ 0.0000, 0.0000,
2.9134

168.0623,

■ 0.0000, 0.0000,

153.6782, 311.6230

1.0506

206.6294,
190.7557, 371.9029

■ 0.0000, 0.0000,
0.0000

■ 21.1299, 16.6872,
59.2340

■ 21.1299, 16.6872,
59.2340

■ 17.3319, 12.1105,
58.5511

■ 25.9914, 22.5447,
60.1087

■ 14.5158, 8.7173,
58.0446

■ 31.9855, 29.7672,
61.1869

■ 12.5919, 6.3993,
57.6986

■ 39.1780, 38.4337,
62.4806

■ 11.4533, 5.0273,
57.4938

■ 47.6291, 48.6168,
64.0007

■ 10.8992, 4.3597,
57.3941

■ 57.3949, 60.3840,
65.7573

■ 10.8992, 4.3597,
57.3941

■ 68.5281, 73.7989,
67.7599

■ 81.0786, 88.9215,
70.0173

■ 87.8991, 97.1397,
71.2441

Harmonies

Analogous

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



15.4054, 16.6872, 66.8156



21.1299, 16.6872, 59.2340



26.2888, 16.6872, 39.2477

Triad

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



21.1299, 16.6872, 59.2340



22.1088, 16.6872, 2.8830



7.6020, 16.6872, 16.8844

Complementary

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



21.1299, 16.6872, 59.2340



48.8927, 56.9825, 20.9926

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.



8.6352, 16.6872, 6.4298



21.1299, 16.6872, 59.2340



16.3249, 16.6872, 1.7283

Square

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



21.1299, 16.6872, 59.2340



26.9379, 16.6872, 7.6396



11.5495, 16.6872, 2.5141



8.3323, 16.6872, 35.5589

Rectangle

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



21.1299, 16.6872, 59.2340



28.2675, 16.6872, 25.4019



11.5495, 16.6872, 2.5141



7.7481, 16.6872, 12.4595

Sweetspot

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



21.1306, 16.6877, 59.2344



71.3397, 71.4305, 104.6352



37.9718, 50.3705, 64.8482



14.6423, 14.5332, 22.2834



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.



21.1306, 16.6877, 59.2344



28.2812, 19.5477, 96.8902



28.7878, 20.6351, 59.5928



10.6018, 10.8440, 14.1047



6.8601, 2.7440, 36.1244



0.3539, 0.1416, 1.8636

Inverse Universe

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



40.5524, 26.7001, 60.1419



64.0408, 37.9825, 98.5609



37.1284, 50.9177, 20.4420



11.6876, 11.4038, 14.1555



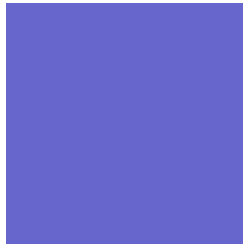
22.5332, 10.8239, 36.8561



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 21.1299, 16.6872, 59.2340 looks on a white background.

Color Contrast Check

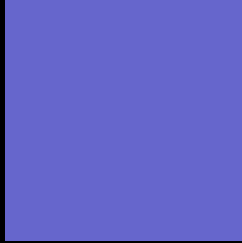
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1299, 16.6872, 59.2340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

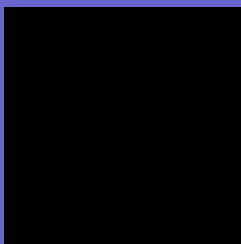
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.1299, 16.6872, 59.2340

Background



This preview shows how black text looks on a background with the XYZ color 21.1299, 16.6872, 59.2340.



This preview shows how white text looks on a background with the XYZ color 21.1299, 16.6872,

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

21.1299, 16.6872, 59.2340

Protanopia

19.2632, 16.8351, 64.5216

Deuteranopia

17.3005, 16.8018, 57.5896



Tritanopia

13.9702, 16.7069, 23.6075

Trichromacy



Original Color

21.1299, 16.6872, 59.2340

Protanomaly

19.6680, 16.6147, 62.4919

Deuteranomaly

17.9815, 16.3157, 58.0786

Tritanomaly

15.9214, 16.2708, 34.1997

Monochromacy



Original Color

21.1299, 16.6872, 59.2340

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.2728, 16.5734, 29.8924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1299, 16.6872, 59.2340 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, 102, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 102, 204)  
}
```

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, 102, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 102, 204) }
```

Border

The CSS property to change the border of an element to XYZ 21.1299, 16.6872, 59.2340 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, 102, 204) }
```


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

```
.border{ border-color:rgb(102, 102, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 102, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 102, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 102, 204);  
box-shadow:4px 4px 4px 4px rgb(102, 102,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1299, 16.6872, 59.2340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 102, 204) }
```

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

```
.background{ background-color: rgb(102,  
102, 204) }
```

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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