

Converting Colors

XYZ(21.2077, 16.8614, 58.7392)

Have a look what the booklet for
XYZ(21.2077, 16.8614, 58.7392)
contains.

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Color

**XYZ(21.2233, 16.8959,
58.6426)**

Conversions

Conversions Part 1

Format	Color
Hex	6767CB
RGB	103, 103, 203
RGB Percent	40%, 40%, 80%
CMY	0.5961, 0.5961, 0.2039
CMYK	0.49, 0.49, 0.00, 0.20
HSL	240°, 49%, 60%
HSV	240°, 49%, 80%
XYZ	21.2233, 16.8959, 58.6426
YIQ	114.4000, -32.1000, 31.1000

Conversions

Conversions Part 2

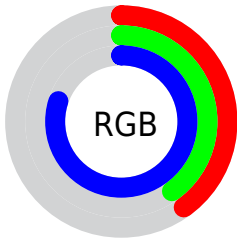
Format	Color
R_{YB}	103, 103, 203
Decimal	6776779
CIE _{Lab}	48.13, 26.92, -52.16
CIE _{LCh}	48, 58.695, 297.302
Yxy	16.8959, 0.2193, 0.1746
Android (android.graphics.Color)	4284966859 (0xFF6767CB)
YUV	114.4000, 43.6798, -9.9978
Hunter-Lab	41.1046, 20.2307, -55.8138

Details

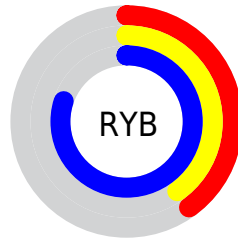
The XYZ color **21.2233, 16.8959, 58.6426** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **48.4322, 56.3876, 21.1636**, and the grayscale version is **15.9947, 16.8277, 18.3253**.

A 20% lighter version of the original color is **44.1028, 37.8048, 99.5803**, and **7.7557, 5.4801, 28.6660** is the 20% darker color. If you saturate the color by 10%, you get **17.3914, 12.2784, 57.9537**, and if you desaturate by 10%, it is **26.1120, 22.7861, 59.5222**.

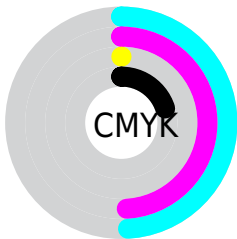
Distribution



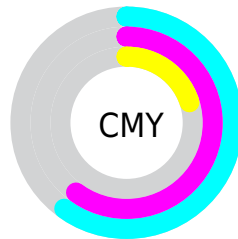
- Red (40%)
- Green (40%)
- Blue (80%)



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



- Cyan (49%)
- Magenta (49%)
- Yellow (0%)
- Black (20%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2233, 16.8959, 58.6426 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 21.2233, 16.8959, 58.6426 by changing the saturation by 10% instead.

■ 21.2233, 16.8959,
58.6426

■ 21.2233, 16.8959,
58.6426

251.1722,
234.5718, 437.2411

■ 13.4007, 10.1603,
41.9074

■ 44.9474, 38.1467,
104.3820

■ 7.7840, 5.5054,
28.7037

■ 61.5795, 53.4307,
134.2233

■ 4.0077, 2.5467,
18.6132

■ 81.8790, 72.3329,
169.2704

■ 1.7065, 0.9000,
11.2171

■ 106.2110, 95.2378,
209.9418

■ 0.4603, 0.0000,
6.0971

134.9409,
122.5298, 256.6560

■ 0.0000, 0.0000,
2.8344

168.4342,

■ 0.0000, 0.0000,

154.5931, 309.8316

1.0107

207.0562,
191.8123, 369.8871

■ 0.0000, 0.0000,
0.0000

■ 21.2233, 16.8959,
58.6426

■ 21.2233, 16.8959,
58.6426

■ 17.3914, 12.2784,
57.9537

■ 26.1120, 22.7861,
59.5222

■ 14.5363, 8.8382,
57.4401

■ 32.1251, 30.0315,
60.6038

■ 12.5703, 6.4694,
57.0865

■ 39.3273, 38.7098,
61.8993

■ 11.3893, 5.0465,
56.8741

■ 47.7777, 48.8920,
63.4193

■ 10.8147, 4.3541,
56.7707

■ 57.5315, 60.6449,
65.1737

■ 10.7797, 4.3119,
56.7644

■ 68.6406, 74.0308,
67.1719

■ 81.1541, 89.1089,
69.4228

■ 87.7796, 97.0918,
70.6144

Harmonies

Analogous

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



15.5824, 16.8959, 65.9238



21.2233, 16.8959, 58.6426



26.2979, 16.8959, 39.1962

Triad

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



21.2233, 16.8959, 58.6426



22.2435, 16.8959, 3.1156



7.8546, 16.8959, 17.0521

Complementary

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



21.2233, 16.8959, 58.6426



48.4322, 56.3876, 21.1636

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.



8.8969, 16.8959, 6.6747



21.2233, 16.8959, 58.6426



16.5453, 16.8959, 1.9068

Square

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



21.2233, 16.8959, 58.6426



26.9725, 16.8959, 7.9648



11.8089, 16.8959, 2.7123



8.5760, 16.8959, 35.3733

Rectangle

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



21.2233, 16.8959, 58.6426



28.2489, 16.8959, 25.6172



11.8089, 16.8959, 2.7123



8.0038, 16.8959, 12.6791

Sweetspot

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



21.2240, 16.8965, 58.6430



71.3398, 71.4305, 104.6352



37.7293, 49.9077, 64.1449



14.6424, 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.



21.2240, 16.8965, 58.6430



28.8294, 20.2081, 96.9888



28.7670, 20.7850, 58.9960



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.



40.2584, 26.7091, 59.5318



64.2951, 38.4914, 98.6445



36.9414, 50.4639, 20.6258



11.6876, 11.4038, 14.1554



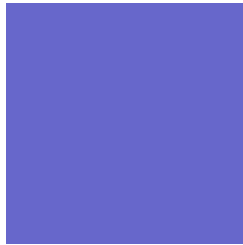
22.5330, 10.8238, 36.8553



1.1625, 0.5584, 1.9013

Previews

White Background



This preview shows how the XYZ color 21.2233, 16.8959, 58.6426 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 21.2233, 16.8959, 58.6426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

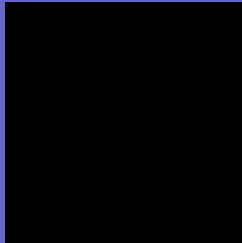
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2233, 16.8959, 58.6426

Background



This preview shows how black text looks on a background with the XYZ color 21.2233, 16.8959, 58.6426.



This preview shows how white text looks on a background with the XYZ color 21.2233, 16.8959,

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

21.2233, 16.8959, 58.6426

Protanopia

19.4289, 17.0962, 63.9039

Deuteranopia

17.5458, 17.1120, 57.0218



Tritanopia

14.1391, 16.7940, 23.6154

Trichromacy



Original Color

21.2233, 16.8959, 58.6426

Protanomaly

19.8083, 16.8570, 61.8842

Deuteranomaly

18.2770, 16.6427, 57.5074

Tritanomaly

16.2229, 16.5928, 34.2460

Monochromacy



Original Color

21.2233, 16.8959, 58.6426

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.1946, 16.5422, 29.4808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2233, 16.8959, 58.6426 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, 103, 203)` looks like.

```
.text, #text, p{  
    color:rgb(103, 103, 203)  
}
```

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, 103, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 103, 203) }
```

Border

The CSS property to change the border of an element to XYZ 21.2233, 16.8959, 58.6426 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, 103, 203) }
```


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

```
.border{ border-color:rgb(103, 103, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 103, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 103, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 103, 203);  
box-shadow:4px 4px 4px 4px rgb(103, 103,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2233, 16.8959, 58.6426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 103, 203) }
```

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

```
.background{ background-color: rgb(103,  
103, 203) }
```

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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