

Converting Colors

XYZ(21.2365, 16.8750, 59.8955)

Have a look what the booklet for
XYZ(21.2365, 16.8750, 59.8955)
contains.

XYZ(21.2365, 16.8750, 59.8955)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.2365, 16.8750,
59.8955)**

Conversions

Conversions Part 1

Format	Color
Hex	6567CD
RGB	101, 103, 205
RGB Percent	40%, 40%, 80%
CMY	0.6039, 0.5961, 0.1961
CMYK	0.51, 0.50, 0.00, 0.20
HSL	239°, 51%, 60%
HSV	239°, 51%, 80%
XYZ	21.2365, 16.8750, 59.8955
YIQ	114.0300, -33.9340, 31.2980

Conversions

Conversions Part 2

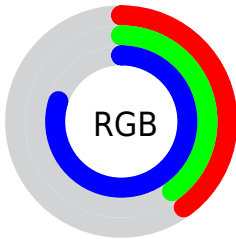
Format	Color
R _Y B	101, 103, 205
Decimal	6645709
CIE Lab	48.10, 27.10, -53.35
CIE LCh	48, 59.840, 296.928
Yxy	16.8750, 0.2167, 0.1722
Android (android.graphics.Color)	4284835789 (0xFF6567CD)
YUV	114.0300, 44.8482, -11.4273
Hunter-Lab	41.0792, 20.3896, -57.6923

Details

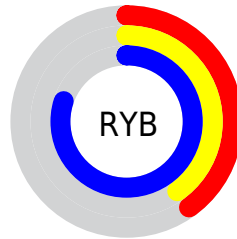
The XYZ color **21.2365, 16.8750, 59.8955** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **48.8829, 56.6324, 20.6678**, and the grayscale version is **15.8810, 16.7080, 18.1950**.

A 20% lighter version of the original color is **43.7062, 37.6003, 99.5618**, and **7.7943, 5.4815, 29.5014** is the 20% darker color. If you saturate the color by 10%, you get **17.4558, 12.3058, 59.2132**, and if you desaturate by 10%, it is **26.0719, 22.7020, 60.7657**.

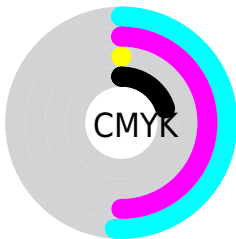
Distribution



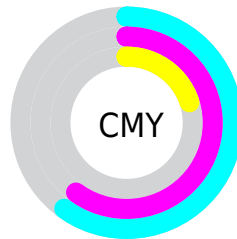
- Red (40%)
- Green (40%)
- Blue (80%)



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



- Cyan (51%)
- Magenta (50%)
- Yellow (0%)
- Black (20%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2365, 16.8750, 59.8955 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 21.2365, 16.8750, 59.8955 by changing the saturation by 10% instead.

■ 21.2365, 16.8750,
59.8955

■ 21.2365, 16.8750,
59.8955

251.2407,
234.4510, 442.0064

■ 13.4104, 10.1454,
42.9097

■ 44.9691, 38.1107,
106.2200

■ 7.7907, 5.4955,
29.4834

■ 61.6064, 53.3857,
136.3956

■ 4.0120, 2.5408,
19.1981

■ 81.9114, 72.2778,
171.8050

■ 1.7089, 0.8970,
11.6352

■ 106.2496, 95.1716,
212.8667

■ 0.4618, 0.0000,
6.3763

134.9862,
122.4514, 259.9991

■ 0.0000, 0.0000,
3.0028

168.4867,

■ 0.0000, 0.0000,

154.5017, 313.6208

1.0960

207.1164,
191.7067, 374.1504

■ 0.0000, 0.0000,
0.0000

■ 21.2365, 16.8750,
59.8955

■ 21.2365, 16.8750,
59.8955

■ 17.4558, 12.3058,
59.2132

■ 26.0719, 22.7020,
60.7657

■ 14.6491, 8.9002,
58.7038

■ 32.0303, 29.8683,
61.8349

■ 12.7278, 6.5538,
58.3521

■ 39.1767, 38.4505,
63.1148

■ 11.5862, 5.1424,
58.1399

■ 47.5708, 48.5191,
64.6158

■ 11.0622, 4.4933,
58.0422

■ 57.2679, 60.1396,
66.3477

■ 68.3204, 73.3738,
68.3196

■ 80.7775, 88.2801,
70.5403

■ 88.0195, 97.1878,
71.8779

Harmonies

Analogous

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



15.4871, 16.8750, 67.1929



21.2365, 16.8750, 59.8955



26.4526, 16.8750, 39.9464

Triad

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



21.2365, 16.8750, 59.8955



22.4245, 16.8750, 2.9955



7.7213, 16.8750, 16.8203

Complementary

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



21.2365, 16.8750, 59.8955



48.8829, 56.6324, 20.6678

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.



8.7955, 16.8750, 6.4257



21.2365, 16.8750, 59.8955



16.6042, 16.8750, 1.7808

Square

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



21.2365, 16.8750, 59.8955



27.2399, 16.8750, 7.9014



11.7676, 16.8750, 2.5430



8.4266, 16.8750, 35.4747

Rectangle

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



21.2365, 16.8750, 59.8955



28.4822, 16.8750, 25.9849



11.7676, 16.8750, 2.5430



7.8791, 16.8750, 12.4165

Sweetspot

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



21.2372, 16.8756, 59.8959



71.5289, 71.8093, 104.6983



37.8043, 50.6721, 63.3765



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.



21.2372, 16.8756, 59.8959



28.0393, 19.4869, 96.8913



28.1661, 20.1561, 60.1640



10.6187, 10.8779, 14.1104



6.8946, 2.8131, 36.1359



0.3619, 0.1575, 1.8663

Inverse Universe

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



32.2794, 23.2667, 15.6220



48.1646, 31.2372, 16.1751



37.9819, 51.7174, 20.2937



11.2209, 11.2171, 11.6980



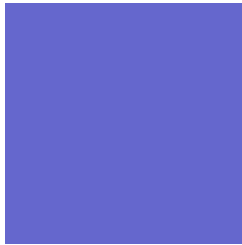
15.6910, 8.0870, 0.8253



0.8126, 0.4184, 0.0590

Previews

White Background



This preview shows how the XYZ color 21.2365, 16.8750, 59.8955 looks on a white background.

Color Contrast Check

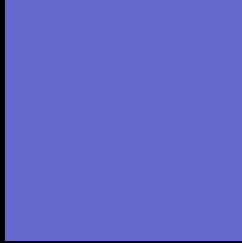
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2365, 16.8750, 59.8955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

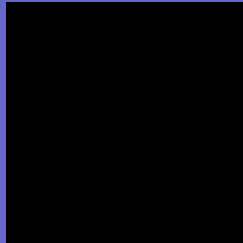
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2365, 16.8750, 59.8955

Background



This preview shows how black text looks on a background with the XYZ color 21.2365, 16.8750, 59.8955.



This preview shows how white text looks on a background with the XYZ color 21.2365, 16.8750,

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

21.2365, 16.8750, 59.8955

Protanopia

19.4497, 16.9166, 65.1909

Deuteranopia

17.5333, 17.0784, 58.2495



Tritanopia

14.0760, 16.9331, 23.9993

Trichromacy



Original Color

21.2365, 16.8750, 59.8955

Protanomaly

19.7922, 16.6644, 63.1462

Deuteranomaly

18.2089, 16.5802, 58.7405

Tritanomaly

16.0266, 16.4817, 34.6843

Monochromacy



Original Color

21.2365, 16.8750, 59.8955

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.1491, 16.5097, 29.8866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2365, 16.8750, 59.8955 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(101, 103, 205)` looks like.

```
.text, #text, p{  
    color:rgb(101, 103, 205)  
}
```

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(101, 103, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 103, 205) }
```

Border

The CSS property to change the border of an element to XYZ 21.2365, 16.8750, 59.8955 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(101, 103, 205) }
```


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

```
.border{ border-color:rgb(101, 103, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 103, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 103, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 103, 205); box-shadow:4px 4px 4px 4px rgb(101, 103, 205) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2365, 16.8750, 59.8955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 103, 205) }
```

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

```
.background{ background-color: rgb(101,  
103, 205) }
```

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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