

Converting Colors

XYZ(21.0420, 16.0541, 66.2797)

Have a look what the booklet for
XYZ(21.0420, 16.0541, 66.2797)
contains.

XYZ(21.0420, 16.0541, 66.2797)	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(21.0420, 16.0541,
66.2797)**

Conversions

Conversions Part 1

Format	Color
Hex	5B63D7
RGB	91, 99, 215
RGB Percent	36%, 39%, 84%
CMY	0.6431, 0.6118, 0.1569
CMYK	0.58, 0.54, 0.00, 0.16
HSL	236°, 61%, 60%
HSV	236°, 58%, 84%
XYZ	21.0420, 16.0541, 66.2797
YIQ	109.8320, -42.0040, 34.3800

Conversions

Conversions Part 2

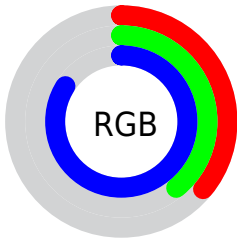
Format	Color
R_{YB}	91, 99, 215
Decimal	5989335
CIE _{Lab}	47.05, 30.73, -60.80
CIE _{LCh}	47, 68.124, 296.809
Yxy	16.0541, 0.2035, 0.1553
Android (android.graphics.Color)	4284179415 (0xFF5B63D7)
YUV	109.8320, 51.8478, -16.5157
Hunter-Lab	40.0676, 23.6233, -70.0301

Details

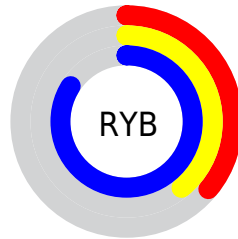
The XYZ color **21.0420, 16.0541, 66.2797** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **52.2276, 59.8316, 18.6950**, and the grayscale version is **14.6386, 15.4009, 16.7716**.

A 20% lighter version of the original color is **41.5340, 35.5167, 99.2741**, and **7.6827, 5.1276, 33.3857** is the 20% darker color. If you saturate the color by 10%, you get **17.5440, 11.7657, 65.6367**, and if you desaturate by 10%, it is **25.6230, 21.6053, 67.1101**.

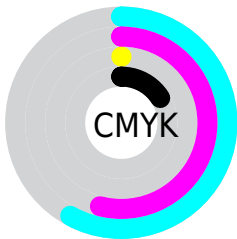
Distribution



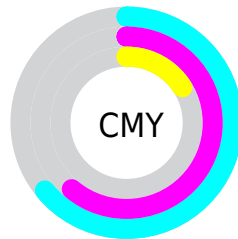
- Red (36%)
- Green (39%)
- Blue (84%)



- Red (36%)
- Yellow (39%)
- Blue (84%)



- Cyan (58%)
- Magenta (54%)
- Yellow (0%)
- Black (16%)



- Cyan (64%)
- Magenta (61%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0420, 16.0541, 66.2797 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 21.0420, 16.0541, 66.2797 by changing the saturation by 10% instead.

■ 21.0420, 16.0541,
66.2797

■ 21.0420, 16.0541,
66.2797

250.2291,
229.6607, 465.8080

■ 13.2673, 9.5624,
48.0416

■ 44.6482, 36.6921,
115.5185

■ 7.6912, 5.1098,
33.4996

■ 61.2104, 51.6072,
147.3563

■ 3.9481, 2.3118,
22.2352

■ 81.4325, 70.0990,
184.5643

■ 1.6728, 0.7800,
13.8299

■ 105.6799, 92.5517,
227.5612

■ 0.4392, 0.0000,
7.8650

134.3179,
119.3499, 276.7655

■ 0.0000, 0.0000,
3.9222

167.7119,

■ 0.0000, 0.0000,

150.8779, 332.5957

1.5827

206.2271,
187.5200, 395.4704

■ 0.0000, 0.0000,
0.2785

■ 0.0000, 0.0000,
0.0000

■ 21.0420, 16.0541,
66.2797

■ 21.0420, 16.0541,
66.2797

■ 17.5440, 11.7657,
65.6367

■ 25.6230, 21.6053,
67.1101

■ 15.0373, 8.6395,
65.1654

■ 31.3642, 28.5067,
68.1396

■ 13.4192, 6.5614,
64.8496

■ 38.3380, 36.8394,
69.3804

■ 12.5537, 5.3891,
64.6689

■ 46.6106, 46.6777,
70.8434

■ 12.4210, 5.2167,
64.6426

■ 56.2433, 58.0910,
72.5387

■ 67.2936, 71.1440,
74.4758

■ 79.8156, 85.8980,
76.6636

■ 89.2658, 97.6863,
78.4409

Harmonies

Analogous

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



14.6291, 16.0541, 75.1113



21.0420, 16.0541, 66.2797



27.0180, 16.0541, 42.3501

Triad

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



21.0420, 16.0541, 66.2797



22.4426, 16.0541, 1.8796



6.4297, 16.0541, 15.7140

Complementary

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



21.0420, 16.0541, 66.2797



52.2276, 59.8316, 18.6950

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.



7.5293, 16.0541, 4.9554



21.0420, 16.0541, 66.2797



15.9066, 16.0541, 0.9155

Square

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



21.0420, 16.0541, 66.2797



27.9636, 16.0541, 6.4523



10.6463, 16.0541, 1.4956



7.1374, 16.0541, 36.8880

Rectangle

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



21.0420, 16.0541, 66.2797



29.3807, 16.0541, 26.1035



10.6463, 16.0541, 1.4956



6.5912, 16.0541, 11.0020

Sweetspot

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



21.0428, 16.0546, 66.2801



69.2598, 69.4836, 104.3690



39.8457, 55.3177, 67.4386



14.2575, 14.1993, 22.2392



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.



21.0428, 16.0546, 66.2801



24.9680, 16.2632, 96.4309



27.6383, 18.3856, 66.3824



11.8062, 12.1359, 15.6577



7.4562, 3.1742, 38.6729



0.4728, 0.2377, 2.3403

Inverse Universe

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



34.0183, 22.8314, 14.4184



45.9018, 27.6041, 12.6696



40.9416, 56.9618, 18.7359



12.4554, 12.4337, 13.0724



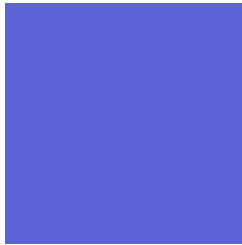
16.8224, 8.6653, 1.1030



1.0263, 0.5273, 0.1279

Previews

White Background



This preview shows how the XYZ color 21.0420, 16.0541, 66.2797 looks on a white background.

Color Contrast Check

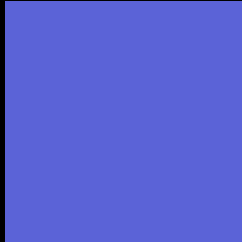
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0420, 16.0541, 66.2797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

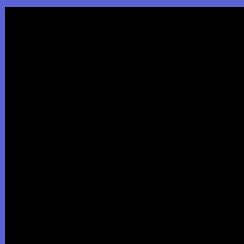
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.0420, 16.0541, 66.2797

Background



This preview shows how black text looks on a background with the XYZ color 21.0420, 16.0541, 66.2797.



This preview shows how white text looks on a background with the XYZ color 21.0420, 16.0541,

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

21.0420, 16.0541, 66.2797

Protanopia

19.1911, 16.1441, 72.6256

Deuteranopia

16.2139, 15.9338, 56.2538



Tritanopia

12.4331, 15.9145, 23.5356

Trichromacy



Original Color

21.0420, 16.0541, 66.2797

Protanomaly

19.3667, 15.8249, 70.4404

Deuteranomaly

17.0092, 15.4562, 59.8445

Tritanomaly

14.6814, 15.4268, 35.9221

Monochromacy



Original Color

21.0420, 16.0541, 66.2797

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.0928, 15.3298, 30.1277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0420, 16.0541, 66.2797 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(91, 99, 215)` looks like.

```
.text, #text, p{  
    color:rgb(91, 99, 215)  
}
```

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(91, 99, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 99, 215) }
```

Border

The CSS property to change the border of an element to XYZ 21.0420, 16.0541, 66.2797 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(91, 99, 215) }
```


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

```
.border{ border-color:rgb(91, 99, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 99, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 99, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 99, 215);  
box-shadow:4px 4px 4px 4px rgb(91, 99,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0420, 16.0541, 66.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 99, 215) }
```

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

```
.background{ background-color: rgb(91, 99,  
215) }
```

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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