

Converting Colors

XYZ(21.6260, 16.5985, 62.9566)

Have a look what the booklet for
XYZ(21.6260, 16.5985, 62.9566)
contains.

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Color

**XYZ(21.6695, 16.5923,
63.0333)**

Conversions

Conversions Part 1

Format	Color
Hex	6664D2
RGB	102, 100, 210
RGB Percent	40%, 39%, 82%
CMY	0.6000, 0.6078, 0.1765
CMYK	0.51, 0.52, 0.00, 0.18
HSL	241°, 55%, 61%
HSV	241°, 52%, 82%
XYZ	21.6695, 16.5923, 63.0333
YIQ	113.1380, -34.1180, 34.6340

Conversions

Conversions Part 2

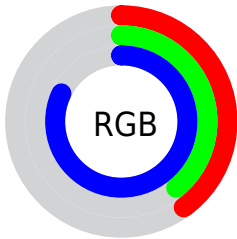
Format	Color
RYB	102, 100, 210
Decimal	6710482
CIELab	47.74, 30.70, -56.79
CIELCh	48, 64.553, 298.396
Yxy	16.5923, 0.2139, 0.1638
Android (android.graphics.Color)	4284900562 (0xFF6664D2)
YUV	113.1380, 47.7530, -9.7680
Hunter-Lab	40.7336, 23.6746, -63.2348

Details

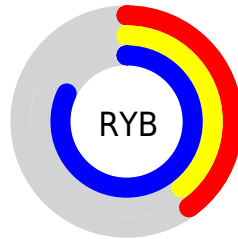
The XYZ color **21.6695, 16.5923, 63.0333** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **51.3587, 60.4231, 21.0129**, and the grayscale version is **15.6077, 16.4205, 17.8819**.

A 20% lighter version of the original color is **43.6138, 36.8268, 99.4173**, and **8.0262, 5.3441, 31.6188** is the 20% darker color. If you saturate the color by 10%, you get **17.8556, 12.0118, 62.3506**, and if you desaturate by 10%, it is **26.5849, 22.5114, 63.9171**.

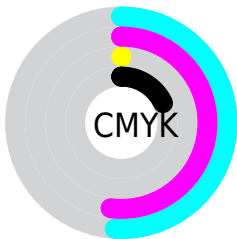
Distribution



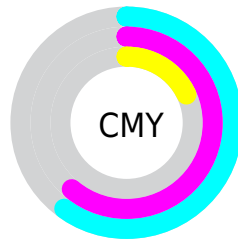
- Red (40%)
- Green (39%)
- Blue (82%)



- Red (40%)
- Yellow (39%)
- Blue (82%)



- Cyan (51%)
- Magenta (52%)
- Yellow (0%)
- Black (18%)



- Cyan (60%)
- Magenta (61%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6695, 16.5923, 63.0333 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 21.6695, 16.5923, 63.0333 by changing the saturation by 10% instead.

■ 21.6695, 16.5923,
63.0333

■ 21.6695, 16.5923,
63.0333

253.4804,
232.8118, 453.8016

■ 13.7295, 9.9442,
45.4270

■ 45.6821, 37.6235,
110.8036

■ 8.0132, 5.3620,
31.4485

■ 62.4854, 52.7753,
141.8046

■ 4.1553, 2.4612,
20.6793

■ 82.9738, 71.5306,
178.1077

■ 1.7904, 0.8571,
12.7008

■ 107.5127, 94.2737,
220.1312

■ 0.5118, 0.0000,
7.0945

136.4674,
121.3890, 268.2939

■ 0.0000, 0.0000,
3.4420

170.2034,

■ 0.0000, 0.0000,

153.2608, 323.0141

1.3245

209.0859,
190.2736, 384.7105

■ 0.0000, 0.0000,
0.0817

■ 0.0000, 0.0000,
0.0000

■ 21.6695, 16.5923,
63.0333

■ 21.6695, 16.5923,
63.0333

■ 17.8556, 12.0118,
62.3506

■ 26.5849, 22.5114,
63.9171

■ 15.0563, 8.6642,
61.8519

■ 32.6754, 29.8607,
65.0146

■ 13.1755, 6.4305,
61.5199

■ 40.0108, 38.7255,
66.3391

■ 12.0973, 5.1677,
61.3330

■ 48.6549, 49.1839,
67.9022

■ 11.6808, 4.6779,
61.2604

■ 58.6671, 61.3089,
69.7149

■ 70.1030, 75.1688,
71.7873

■ 83.0154, 90.8280,
74.1293

■ 88.6329, 97.4332,
75.1082

Harmonies

Analogous

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



15.4614, 16.5923, 72.2303



21.6695, 16.5923, 63.0333



27.2586, 16.5923, 40.4112

Triad

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



21.6695, 16.5923, 63.0333



22.3423, 16.5923, 2.2547



7.0643, 16.5923, 17.1898

Complementary

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



21.6695, 16.5923, 63.0333



51.3587, 60.4231, 21.0129

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.



8.0713, 16.5923, 5.9916



21.6695, 16.5923, 63.0333



16.0836, 16.5923, 1.2713

Square

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



21.6695, 16.5923, 63.0333



27.7092, 16.5923, 6.7618



11.0528, 16.5923, 2.0394



7.8738, 16.5923, 37.8288

Rectangle

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



21.6695, 16.5923, 63.0333



29.3575, 16.5923, 25.2559



11.0528, 16.5923, 2.0394



7.1956, 16.5923, 12.3896

Sweetspot

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



21.6702, 16.5928, 63.0337



70.1548, 69.8529, 104.3931



39.4853, 52.5559, 69.0364



14.4171, 14.2268, 22.2361



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.



21.6702, 16.5928, 63.0337



27.0431, 17.8444, 96.6267



30.0625, 20.9192, 63.4265



11.1833, 11.4278, 14.8600



7.1342, 2.8581, 37.3681



0.4061, 0.1635, 2.0897

Inverse Universe

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



42.5206, 27.3703, 62.7147



62.8564, 36.3608, 95.8627



38.5156, 53.8022, 20.4118



12.3011, 12.0052, 14.8616



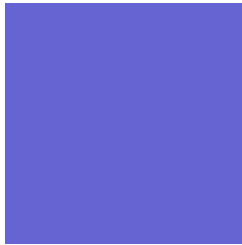
23.0254, 11.0830, 36.6352



1.2905, 0.6209, 2.0644

Previews

White Background



This preview shows how the XYZ color 21.6695, 16.5923, 63.0333 looks on a white background.

Color Contrast Check

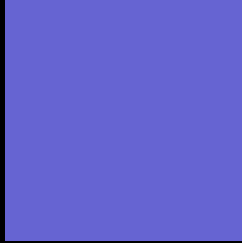
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6695, 16.5923, 63.0333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

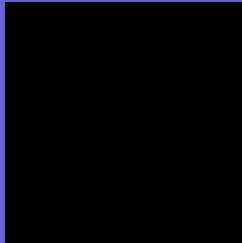
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6695, 16.5923, 63.0333

Background



This preview shows how black text looks on a background with the XYZ color 21.6695, 16.5923, 63.0333.



This preview shows how white text looks on a background with the XYZ color 21.6695, 16.5923,

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

21.6695, 16.5923, 63.0333

Protanopia

19.5592, 16.7089, 69.9044

Deuteranopia

17.0298, 16.6211, 59.4374



Tritanopia

13.7262, 16.5811, 23.5961

Trichromacy



Original Color

21.6695, 16.5923, 63.0333

Protanomaly

19.8634, 16.4592, 67.0958

Deuteranomaly

17.4795, 16.0014, 60.5598

Tritanomaly

15.9094, 16.2448, 35.0979

Monochromacy



Original Color

21.6695, 16.5923, 63.0333

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.0145, 16.1145, 30.2306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6695, 16.5923, 63.0333 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, 100, 210)` looks like.

```
.text, #text, p{  
    color:rgb(102, 100, 210)  
}
```

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, 100, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 100, 210) }
```

Border

The CSS property to change the border of an element to XYZ 21.6695, 16.5923, 63.0333 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, 100, 210) }
```


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

```
.border{ border-color:rgb(102, 100, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 100, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 100, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 100, 210);  
box-shadow:4px 4px 4px 4px rgb(102, 100,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6695, 16.5923, 63.0333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 100, 210) }
```

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

```
.background{ background-color: rgb(102,  
100, 210) }
```

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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