

Converting Colors

XYZ(22.2275, 16.3103, 66.6876)

Have a look what the booklet for
XYZ(22.2275, 16.3103, 66.6876)
contains.

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Color

**XYZ(22.3783, 16.4503,
66.9615)**

Conversions

Conversions Part 1

Format	Color
Hex	6861D8
RGB	104, 97, 216
RGB Percent	41%, 38%, 85%
CMY	0.5921, 0.6196, 0.1529
CMYK	0.52, 0.55, 0.00, 0.15
HSL	244°, 60%, 61%
HSV	244°, 55%, 85%
XYZ	22.3783, 16.4503, 66.9615
YIQ	112.6590, -34.0270, 38.4930

Conversions

Conversions Part 2

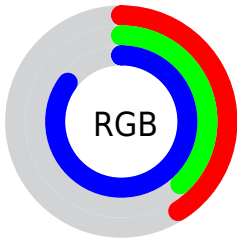
Format	Color
R_{YB}	104, 97, 216
Decimal	6840792
CIE _{Lab}	47.56, 34.78, -60.49
CIE _{LCh}	48, 69.779, 299.896
Yxy	16.4503, 0.2115, 0.1555
Android (android.graphics.Color)	4285030872 (0xFF6861D8)
YUV	112.6590, 50.9471, -7.5939
Hunter-Lab	40.5590, 27.5087, -69.4945

Details

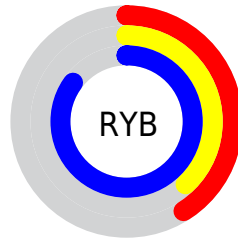
The XYZ color **22.3783, 16.4503, 66.9615** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **53.0070, 63.5298, 20.7782**, and the grayscale version is **15.4573, 16.2623, 17.7096**.

A 20% lighter version of the original color is **43.5402, 36.0812, 99.2773**, and **8.3608, 5.2704, 33.8343** is the 20% darker color. If you saturate the color by 10%, you get **18.5654, 11.9145, 66.2873**, and if you desaturate by 10%, it is **27.3047, 22.3667, 67.8442**.

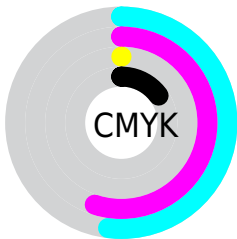
Distribution



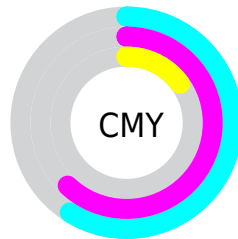
- Red (41%)
- Green (38%)
- Blue (85%)



- Red (41%)
- Yellow (38%)
- Blue (85%)



- Cyan (52%)
- Magenta (55%)
- Yellow (0%)
- Black (15%)



- Cyan (59%)
- Magenta (62%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3783, 16.4503, 66.9615 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 22.3783, 16.4503, 66.9615 by changing the saturation by 10% instead.

■ 22.3783, 16.4503,
66.9615

■ 22.3783, 16.4503,
66.9615

257.1109,
231.9844, 468.3055

■ 14.2533, 9.8434,
48.5919

■ 46.8447, 37.3782,
116.5054

■ 8.3799, 5.2952,
33.9326

■ 63.9167, 52.4679,
148.5168

■ 4.3928, 2.4215,
22.5649

■ 84.7019, 71.1541,
185.9125

■ 1.9267, 0.8369,
14.0703

■ 109.5654, 93.8210,
229.1111

■ 0.5923, 0.0000,
8.0302

138.8727,
120.8531, 278.5312

■ 0.0000, 0.0000,
4.0263

172.9892,

■ 0.0000, 0.0000,

152.6347, 334.5913

1.6398

212.2801,
189.5504, 397.7098

■ 0.0000, 0.0000,
0.3190

■ 0.0000, 0.0000,
0.0000

■ 22.3783, 16.4503,
66.9615

■ 22.3783, 16.4503,
66.9615

■ 18.5654, 11.9145,
66.2873

■ 27.3047, 22.3667,
67.8442

■ 15.7769, 8.6460,
65.8034

■ 33.4199, 29.7620,
68.9493

■ 13.9138, 6.5158,
65.4904

■ 40.7953, 38.7269,
70.2910

■ 12.8562, 5.3667,
65.3244

■ 49.4959, 49.3446,
71.8819

■ 12.5565, 5.0413,
65.2774

■ 59.5824, 61.6926,
73.7336

■ 71.1117, 75.8431,
75.8573

■ 84.1374, 91.8646,
78.2632

■ 89.3947, 97.7379,
79.1198

Harmonies

Analogous

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



15.6139, 16.4503, 78.5384



22.3783, 16.4503, 66.9615



28.4159, 16.4503, 41.1375

Triad

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



22.3783, 16.4503, 66.9615



22.4259, 16.4503, 1.6228



6.4730, 16.4503, 17.8497

Complementary

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



22.3783, 16.4503, 66.9615



53.0070, 63.5298, 20.7782

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.



7.4100, 16.4503, 5.6475



22.3783, 16.4503, 66.9615



15.6572, 16.4503, 0.8544

Square

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



22.3783, 16.4503, 66.9615



28.4481, 16.4503, 5.6974



10.4047, 16.4503, 1.6103



7.3968, 16.4503, 40.9510

Rectangle

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



22.3783, 16.4503, 66.9615



30.5932, 16.4503, 24.6096



10.4047, 16.4503, 1.6103



6.5764, 16.4503, 12.5546

Sweetspot

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



22.3791, 16.4508, 66.9619



69.2966, 68.4587, 104.1693



40.3837, 53.6175, 73.1869



14.2660, 13.9614, 22.1929



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.



22.3791, 16.4508, 66.9619



26.3219, 16.5077, 96.4067



31.6615, 21.2361, 67.3963



11.8096, 12.0432, 15.6397



7.4623, 2.9995, 38.6388



0.4744, 0.1935, 2.3316

Inverse Universe

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



44.1019, 27.7518, 63.3511



61.1196, 34.6262, 89.9230



39.3930, 56.5115, 20.1410



12.9200, 12.6195, 15.5189



23.1767, 11.2070, 34.5643



1.4077, 0.6799, 2.1364

Previews

White Background



This preview shows how the XYZ color 22.3783, 16.4503, 66.9615 looks on a white background.

Color Contrast Check

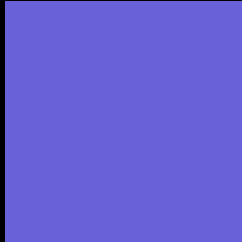
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3783, 16.4503, 66.9615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

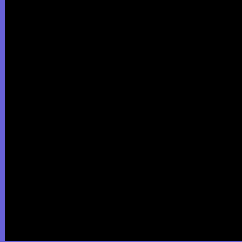
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.3783, 16.4503, 66.9615

Background



This preview shows how black text looks on a background with the XYZ color 22.3783, 16.4503, 66.9615.



This preview shows how white text looks on a background with the XYZ color 22.3783, 16.4503,

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

22.3783, 16.4503, 66.9615

Protanopia

19.6970, 16.4971, 75.5449

Deuteranopia

16.7914, 16.5257, 58.1819



Tritanopia

13.5398, 16.3151, 23.2044

Trichromacy



Original Color

22.3783, 16.4503, 66.9615

Protanomaly

19.8210, 16.0125, 72.5671

Deuteranomaly

17.4244, 15.6422, 61.1324

Tritanomaly

15.9552, 15.9205, 35.9503

Monochromacy



Original Color

22.3783, 16.4503, 66.9615

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.1931, 16.0324, 31.0425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3783, 16.4503, 66.9615 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(104, 97, 216)` looks like.

```
.text, #text, p{  
    color:rgb(104, 97, 216)  
}
```

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(104, 97, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 97, 216) }
```

Border

The CSS property to change the border of an element to XYZ 22.3783, 16.4503, 66.9615 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(104, 97, 216) }
```


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

```
.border{ border-color:rgb(104, 97, 216) }
```

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

Here you see how a box with a 4 pixel rgb(104, 97, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 97, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 97, 216);  
box-shadow:4px 4px 4px 4px rgb(104, 97,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3783, 16.4503, 66.9615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 97, 216) }
```

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

```
.background{ background-color: rgb(104, 97,  
216) }
```

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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