

Converting Colors

XYZ(22.3762, 16.9110, 66.0962)

Have a look what the booklet for
XYZ(22.3762, 16.9110, 66.0962)
contains.

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Color

**XYZ(22.4164, 16.9042,
66.3713)**

Conversions

Conversions Part 1

Format	Color
Hex	6764D7
RGB	103, 100, 215
RGB Percent	40%, 39%, 84%
CMY	0.5961, 0.6078, 0.1569
CMYK	0.52, 0.53, 0.00, 0.16
HSL	242°, 59%, 62%
HSV	242°, 53%, 84%
XYZ	22.4164, 16.9042, 66.3713
YIQ	114.0070, -35.1270, 36.4010

Conversions

Conversions Part 2

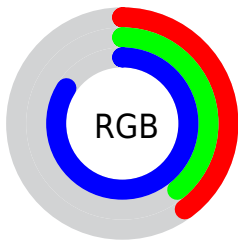
Format	Color
R_{YB}	103, 100, 215
Decimal	6776023
CIE _{Lab}	48.14, 32.46, -58.99
CIE _{LCh}	48, 67.333, 298.820
Yxy	16.9042, 0.2121, 0.1599
Android (android.graphics.Color)	4284966103 (0xFF6764D7)
YUV	114.0070, 49.7895, -9.6531
Hunter-Lab	41.1147, 25.3703, -66.9313

Details

The XYZ color **22.4164, 16.9042, 66.3713** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **53.7513, 63.5178, 21.4840**, and the grayscale version is **15.8601, 16.6860, 18.1711**.

A 20% lighter version of the original color is **43.8146, 36.9303, 99.4267**, and **8.3678, 5.4807, 33.4177** is the 20% darker color. If you saturate the color by 10%, you get **18.5114, 12.2234, 65.6740**, and if you desaturate by 10%, it is **27.4682, 22.9841, 67.2789**.

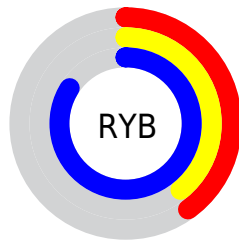
Distribution



Red (40%)

Green (39%)

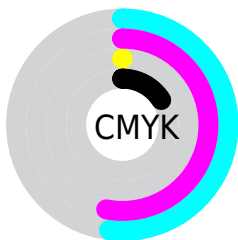
Blue (84%)



Red (40%)

Yellow (39%)

Blue (84%)

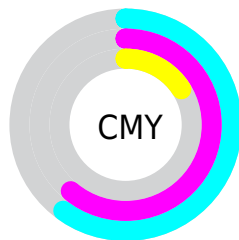


Cyan (52%)

Magenta (53%)

Yellow (0%)

Black (16%)



Cyan (60%)

Magenta (61%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4164, 16.9042, 66.3713 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 22.4164, 16.9042, 66.3713 by changing the saturation by 10% instead.

■ 22.4164, 16.9042,
66.3713

■ 22.4164, 16.9042,
66.3713

257.3049,
234.6197, 466.1440

■ 14.2815, 10.1662,
48.1155

■ 46.9070, 38.1610,
115.6512

■ 8.3997, 5.5093,
33.5577

■ 63.9934, 53.4486,
147.5123

■ 4.4057, 2.5491,
22.2794

■ 84.7944, 72.3548,
184.7456

■ 1.9341, 0.9011,
13.8621

■ 109.6752, 95.2641,
227.7697

■ 0.5966, 0.0000,
7.8872

139.0014,
122.5609, 277.0030

■ 0.0000, 0.0000,
3.9361

173.1381,

■ 0.0000, 0.0000,

154.6294, 332.8641

1.5903

212.4508,
191.8543, 395.7716

■ 0.0000, 0.0000,
0.2839

■ 0.0000, 0.0000,
0.0000

■ 22.4164, 16.9042,
66.3713

■ 22.4164, 16.9042,
66.3713

■ 18.5114, 12.2234,
65.6740

■ 27.4682, 22.9841,
67.2789

■ 15.6613, 8.8288,
65.1690

■ 33.7447, 30.5606,
68.4106

■ 13.7641, 6.5930,
64.8374

■ 41.3194, 39.7246,
69.7802

■ 12.6963, 5.3614,
64.6560

■ 50.2595, 50.5591,
71.4002

■ 12.3361, 4.9426,
64.5941

■ 60.6277, 63.1413,
73.2824

■ 72.4825, 77.5438,
75.4375

■ 85.8793, 93.8350,
77.8760

■ 89.2658, 97.6863,
78.4408

Harmonies

Analogous

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



15.8263, 16.9042, 76.6346



22.4164, 16.9042, 66.3713



28.3487, 16.9042, 41.8765

Triad

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



22.4164, 16.9042, 66.3713



22.9435, 16.9042, 2.0238



6.9559, 16.9042, 17.7218

Complementary

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



22.4164, 16.9042, 66.3713



53.7513, 63.5178, 21.4840

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.



7.9707, 16.9042, 5.9097



22.4164, 16.9042, 66.3713



16.3100, 16.9042, 1.1023

Square

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



22.4164, 16.9042, 66.3713



28.7033, 16.9042, 6.4903



11.0463, 16.9042, 1.8689



7.8201, 16.9042, 39.8354

Rectangle

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



22.4164, 16.9042, 66.3713



30.5545, 16.9042, 25.7249



11.0463, 16.9042, 1.8689



7.0828, 16.9042, 12.6261

Sweetspot

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



22.4172, 16.9047, 66.3717



70.2497, 69.9018, 104.3976



41.3368, 55.2464, 72.7753



14.4393, 14.2382, 22.2372



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.



22.4172, 16.9047, 66.3717



26.6903, 17.3299, 96.5460



31.2041, 21.4346, 66.7830



11.7723, 12.0240, 15.6379



7.3923, 2.9634, 38.6355



0.4567, 0.1843, 2.3308

Inverse Universe

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



44.4650, 28.3150, 65.4069



62.4210, 35.8281, 94.6752



40.2308, 56.5478, 20.8513



12.9384, 12.6268, 15.6157



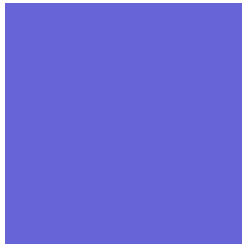
23.6804, 11.4085, 37.2169



1.4328, 0.6899, 2.2686

Previews

White Background



This preview shows how the XYZ color 22.4164, 16.9042, 66.3713 looks on a white background.

Color Contrast Check

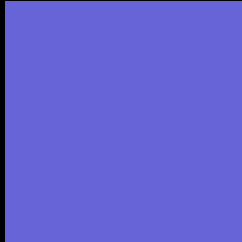
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4164, 16.9042, 66.3713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

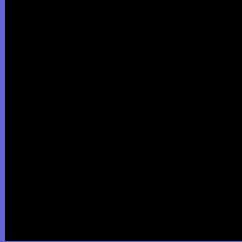
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.4164, 16.9042, 66.3713

Background



This preview shows how black text looks on a background with the XYZ color 22.4164, 16.9042, 66.3713.



This preview shows how white text looks on a background with the XYZ color 22.4164, 16.9042,

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

22.4164, 16.9042, 66.3713

Protanopia

20.1401, 17.0742, 74.1857

Deuteranopia

17.2648, 16.8986, 60.1094



Tritanopia

13.9146, 16.8499, 23.9917

Trichromacy



Original Color

22.4164, 16.9042, 66.3713

Protanomaly

20.3255, 16.6061, 71.2413

Deuteranomaly

17.8475, 16.1486, 62.4979

Tritanomaly

16.2645, 16.3973, 36.4902

Monochromacy



Original Color

22.4164, 16.9042, 66.3713

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.4850, 16.4866, 31.5388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4164, 16.9042, 66.3713 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, 100, 215)` looks like.

```
.text, #text, p{  
    color:rgb(103, 100, 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(103, 100, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 100, 215) }
```

Border

The CSS property to change the border of an element to XYZ 22.4164, 16.9042, 66.3713 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, 100, 215) }
```


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

```
.border{ border-color:rgb(103, 100, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 100, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 100, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 100, 215);  
box-shadow:4px 4px 4px 4px rgb(103, 100,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4164, 16.9042, 66.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 100, 215) }
```

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

```
.background{ background-color: rgb(103,  
100, 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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