

Converting Colors

XYZ(21.8205, 21.3240, 48.3177)

Have a look what the booklet for
XYZ(21.8205, 21.3240, 48.3177)
contains.

XYZ(21.8215, 21.3255, 48.3135)	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(21.8215, 21.3255,
48.3135)**

Conversions

Conversions Part 1

Format	Color
Hex	687EB8
RGB	104, 126, 184
RGB Percent	41%, 49%, 72%
CMY	0.5921, 0.5059, 0.2784
CMYK	0.43, 0.32, 0.00, 0.28
HSL	224°, 36%, 56%
HSV	224°, 43%, 72%
XYZ	21.8215, 21.3255, 48.3135
YIQ	126.0340, -31.7300, 13.3740

Conversions

Conversions Part 2

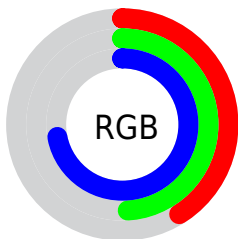
Format	Color
R_{YB}	104, 121, 184
Decimal	6848184
CIE _{Lab}	53.30, 7.44, -33.06
CIE _{LCh}	53, 33.883, 282.682
Yxy	21.3255, 0.2386, 0.2332
Android (android.graphics.Color)	4285038264 (0xFF687EB8)
YUV	126.0340, 28.5772, -19.3238
Hunter-Lab	46.1795, 3.5335, -29.7041

Details

The XYZ color **21.8215, 21.3255, 48.3135** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.1868, 37.0312, 18.3908**, and the grayscale version is **19.7571, 20.7860, 22.6359**.

A 20% lighter version of the original color is **45.7491, 45.4012, 88.7901**, and **8.1159, 7.6503, 22.5216** is the 20% darker color. If you saturate the color by 10%, you get **18.3206, 17.1554, 47.6935**, and if you desaturate by 10%, it is **26.0174, 26.1924, 49.0322**.

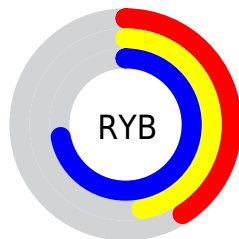
Distribution



Red (41%)

Green (49%)

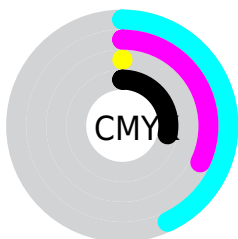
Blue (72%)



Red (41%)

Yellow (47%)

Blue (72%)

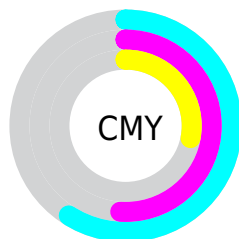


Cyan (43%)

Magenta (32%)

Yellow (0%)

Black (28%)



Cyan (59%)

Magenta (51%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8215, 21.3255, 48.3135 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 21.8215, 21.3255, 48.3135 by changing the saturation by 10% instead.

■ 21.8215, 21.3255,
48.3135

■ 21.8215, 21.3255,
48.3135

254.2626,
259.0033, 396.5779

■ 13.8417, 13.3621,
33.7135

■ 45.9319, 45.6286,
89.0414

■ 8.0916, 7.6784,
22.3980

■ 62.7931, 62.7372,
116.0063

■ 4.2059, 3.8899,
13.9485

■ 83.3455, 83.6629,
147.9300

■ 1.8193, 1.6121,
7.9465

■ 107.9544,
108.7903, 185.2309

■ 0.5292, 0.3658,
3.9735

136.9852,
138.5036, 228.3276

■ 0.0000, 0.0000,
1.6108

170.8033,

■ 0.0000, 0.0000,

173.1873, 277.6387

0.2985

209.7740,
213.2257, 333.5826

■ 0.0000, 0.0000,
0.0000

■ 21.8215, 21.3255,
48.3135

■ 21.8215, 21.3255,
48.3135

■ 18.3206, 17.1554,
47.6935

■ 26.0174, 26.1924,
49.0322

■ 15.4729, 13.6461,
47.1662

■ 30.9422, 31.7849,
49.8521

■ 13.2353, 10.7615,
46.7274

■ 36.6306, 38.1331,
50.7776

■ 11.5581, 8.4610,
46.3717

■ 43.1140, 45.2647,
51.8124

■ 10.3830, 6.6980,
46.0934

■ 50.4220, 53.2056,
52.9600

■ 9.8182, 5.7935,
45.9486

■ 58.5830, 61.9810,
54.2237

■ 67.6236, 71.6145,
55.6066

■ 77.5695, 82.1290,
57.1119

■ 82.8668, 90.6707,
58.4814

Harmonies

Analogous

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



18.2847, 21.3255, 47.6427



21.8215, 21.3255, 48.3135



25.3138, 21.3255, 40.9778

Triad

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



21.8215, 21.3255, 48.3135



25.7740, 21.3255, 12.2381



14.3720, 21.3255, 17.8224

Complementary

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



21.8215, 21.3255, 48.3135



35.1868, 37.0312, 18.3908

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.



15.9438, 21.3255, 11.5157



21.8215, 21.3255, 48.3135



22.3924, 21.3255, 9.0067

Square

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



21.8215, 21.3255, 48.3135



27.7701, 21.3255, 19.1476



18.7924, 21.3255, 8.7885



14.2575, 21.3255, 27.8321

Rectangle

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



21.8215, 21.3255, 48.3135



27.0354, 21.3255, 33.5157



18.7924, 21.3255, 8.7885



14.7381, 21.3255, 15.2833

Sweetspot

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



21.8223, 21.3263, 48.3140



66.6886, 69.4431, 92.0936



29.3125, 39.8096, 40.0123



13.8601, 14.3976, 19.7701



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.8223, 21.3263, 48.3140



33.5614, 31.5224, 86.5202



21.5348, 17.4513, 47.5812



8.7168, 9.1107, 11.3786



6.8185, 4.0966, 31.6844



0.2939, 0.2515, 1.1348

Inverse Universe

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



28.4840, 21.5981, 22.4070



47.4220, 32.9276, 32.4295



35.5058, 43.4602, 19.6149



9.1034, 9.0517, 9.8918



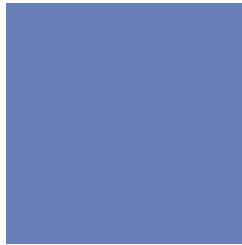
14.0553, 7.1959, 2.9121



0.5225, 0.2645, 0.2450

Previews

White Background



This preview shows how the XYZ color 21.8215, 21.3255, 48.3135 looks on a white 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

Black Background



This preview shows how the XYZ color 21.8215, 21.3255, 48.3135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

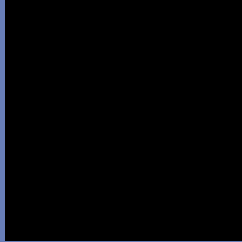
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

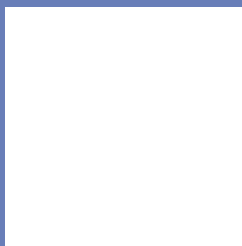
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8215, 21.3255, 48.3135

Background



This preview shows how black text looks on a background with the XYZ color 21.8215, 21.3255, 48.3135.

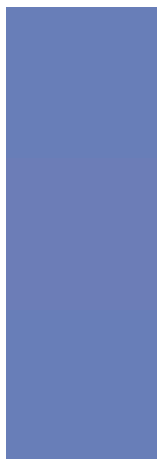


This preview shows how white text looks on a background with the XYZ color 21.8215, 21.3255,

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

21.8215, 21.3255, 48.3135

Protanopia

22.0652, 21.2743, 47.7431

Deuteranopia

21.8215, 21.3255, 48.3135



Tritanopia

18.0733, 21.3910, 29.5619

Trichromacy



Original Color

21.8215, 21.3255, 48.3135

Protanomaly

21.9443, 21.2119, 47.7375

Deuteranomaly

21.8215, 21.3255, 48.3135

Tritanomaly

19.3041, 21.2772, 35.8904

Monochromacy



Original Color

21.8215, 21.3255, 48.3135

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.1985, 20.8798, 30.5694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8215, 21.3255, 48.3135 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, 126, 184)` looks like.

```
.text, #text, p{  
    color:rgb(104, 126, 184)  
}
```

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, 126, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 126, 184) }
```

Border

The CSS property to change the border of an element to XYZ 21.8215, 21.3255, 48.3135 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, 126, 184) }
```


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

```
.border{ border-color:rgb(104, 126, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 126, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 126, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 126, 184);  
box-shadow:4px 4px 4px 4px rgb(104, 126,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8215, 21.3255, 48.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 126, 184) }
```

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

```
.background{ background-color: rgb(104,  
126, 184) }
```

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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