

Converting Colors

XYZ(21.8673, 21.8242, 48.1887)

Have a look what the booklet for
XYZ(21.8673, 21.8242, 48.1887)
contains.

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Color

**XYZ(21.8504, 21.7238,
48.3889)**

Conversions

Conversions Part 1

Format	Color
Hex	6680B8
RGB	102, 128, 184
RGB Percent	40%, 50%, 72%
CMY	0.6000, 0.4980, 0.2784
CMYK	0.45, 0.30, 0.00, 0.28
HSL	221°, 37%, 56%
HSV	221°, 45%, 72%
XYZ	21.8504, 21.7238, 48.3889
YIQ	126.6100, -33.4720, 11.9040

Conversions

Conversions Part 2

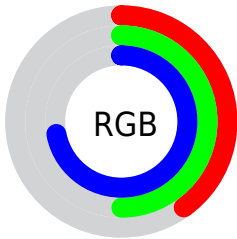
Format	Color
R _Y B	102, 122, 184
Decimal	6717624
CIE Lab	53.73, 5.73, -32.40
CIE LCh	54, 32.898, 280.023
Yxy	21.7238, 0.2376, 0.2362
Android (android.graphics.Color)	4284907704 (0xFF6680B8)
YUV	126.6100, 28.2933, -21.5830
Hunter-Lab	46.6088, 2.1162, -28.9283

Details

The XYZ color **21.8504, 21.7238, 48.3889** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **34.3931, 35.6044, 17.6310**, and the grayscale version is **19.9543, 20.9935, 22.8619**.

A 20% lighter version of the original color is **45.9624, 46.4069, 88.9730**, and **8.1116, 7.8590, 22.5621** is the 20% darker color. If you saturate the color by 10%, you get **18.4532, 17.6884, 47.7895**, and if you desaturate by 10%, it is **25.9150, 26.4054, 49.0787**.

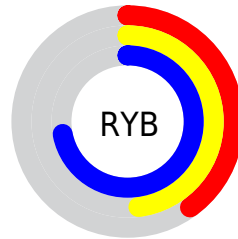
Distribution



Red (40%)

Green (50%)

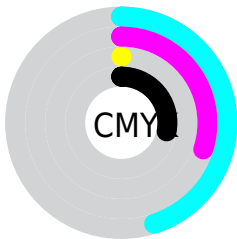
Blue (72%)



Red (40%)

Yellow (48%)

Blue (72%)

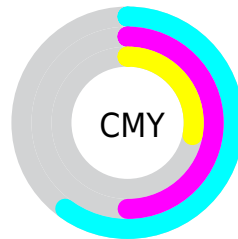


Cyan (45%)

Magenta (30%)

Yellow (0%)

Black (28%)



Cyan (60%)

Magenta (50%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8504, 21.7238, 48.3889 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 21.8504, 21.7238, 48.3889 by changing the saturation by 10% instead.

■ 21.8504, 21.7238,
48.3889

■ 21.8504, 21.7238,
48.3889

254.4111,
261.1005, 396.8847

■ 13.8630, 13.6541,
33.7728

■ 45.9793, 46.2891,
89.1547

■ 8.1065, 7.8805,
22.4432

■ 62.8515, 63.5534,
116.1415

■ 4.2156, 4.0186,
13.9815

■ 83.4161, 84.6515,
148.0890

■ 1.8248, 1.6840,
7.9692

■ 108.0383,
109.9675, 185.4156

■ 0.5325, 0.4132,
3.9877

137.0836,
139.8861, 228.5399

■ 0.0000, 0.0000,
1.6186

170.9172,

■ 0.0000, 0.0000,

174.7915, 277.8805

0.3041

209.9046,
215.0682, 333.8559

■ 0.0000, 0.0000,
0.0000

■ 21.8504, 21.7238,
48.3889

■ 21.8504, 21.7238,
48.3889

■ 18.4532, 17.6884,
47.7895

■ 25.9150, 26.4054,
49.0787

■ 15.6826, 14.2661,
47.2749

■ 30.6798, 31.7593,
49.8610

■ 13.4969, 11.4241,
46.8415

■ 36.1781, 37.8130,
50.7397

■ 11.8476, 9.1249,
46.4847

■ 42.4404, 44.5917,
51.7180

■ 10.6772, 7.3256,
46.1991

■ 49.4953, 52.1192,
52.7992

■ 10.1821, 6.5212,
46.0699

■ 57.3701, 60.4183,
53.9860

■ 66.0905, 69.5107,
55.2814

■ 75.6813, 79.4173,
56.6881

■ 81.3758, 87.6887,
57.9845

Harmonies

Analogous

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



18.4171, 21.7238, 46.9972



21.8504, 21.7238, 48.3889



25.3220, 21.7238, 41.8561

Triad

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



21.8504, 21.7238, 48.3889



26.2870, 21.7238, 13.2351



14.9089, 21.7238, 17.6207

Complementary

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



21.8504, 21.7238, 48.3889



34.3931, 35.6044, 17.6310

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.



16.5875, 21.7238, 11.6824



21.8504, 21.7238, 48.3889



23.0518, 21.7238, 9.6956

Square

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



21.8504, 21.7238, 48.3889



28.0696, 21.7238, 20.4326



19.4902, 21.7238, 9.2223



14.6652, 21.7238, 27.1963

Rectangle

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



21.8504, 21.7238, 48.3889



27.0951, 21.7238, 34.7421



19.4902, 21.7238, 9.2223



15.3142, 21.7238, 15.2178

Sweetspot

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



21.8512, 21.7246, 48.3894



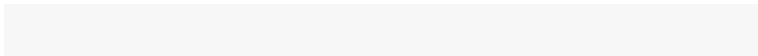
67.0281, 70.1220, 92.2068



28.6781, 39.5293, 37.8685



13.9435, 14.5645, 19.7979



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.



21.8512, 21.7246, 48.3894



33.8311, 32.5241, 86.6993



20.5622, 16.6546, 47.4788



8.7473, 9.1718, 11.3887



7.0744, 4.6085, 31.7697



0.3067, 0.2771, 1.1391

Inverse Universe

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



28.4155, 21.2525, 23.0273



47.4453, 32.5050, 33.8840



36.1891, 43.8241, 19.1229



9.1188, 9.0579, 9.9730



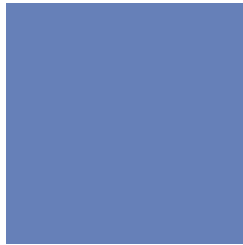
14.1845, 7.2476, 3.5925



0.5290, 0.2671, 0.2791

Previews

White Background



This preview shows how the XYZ color 21.8504, 21.7238, 48.3889 looks on a white background.

Color Contrast Check

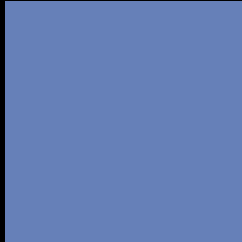
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8504, 21.7238, 48.3889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

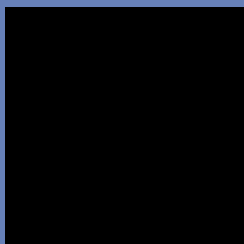
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

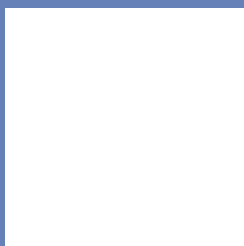
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8504, 21.7238, 48.3889

Background



This preview shows how black text looks on a background with the XYZ color 21.8504, 21.7238, 48.3889.

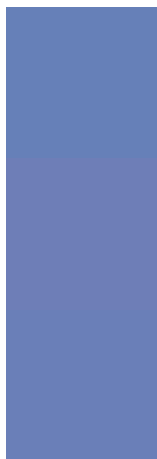


This preview shows how white text looks on a background with the XYZ color 21.8504, 21.7238,

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

21.8504, 21.7238, 48.3889

Protanopia

22.4385, 21.6556, 47.7971

Deuteranopia

22.1850, 21.7036, 48.3673



Tritanopia

18.1667, 21.6274, 30.4112

Trichromacy



Original Color

21.8504, 21.7238, 48.3889

Protanomaly

22.2000, 21.7234, 47.8227

Deuteranomaly

22.0668, 21.6427, 48.3618

Tritanomaly

19.3157, 21.4735, 36.3845

Monochromacy



Original Color

21.8504, 21.7238, 48.3889

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.4059, 21.1684, 31.0274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8504, 21.7238, 48.3889 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, 128, 184)` looks like.

```
.text, #text, p{  
    color:rgb(102, 128, 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(102, 128, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 128, 184) }
```

Border

The CSS property to change the border of an element to XYZ 21.8504, 21.7238, 48.3889 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, 128, 184) }
```


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

```
.border{ border-color:rgb(102, 128, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 128, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 128, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 128, 184);  
box-shadow:4px 4px 4px 4px rgb(102, 128,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8504, 21.7238, 48.3889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 128, 184) }
```

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

```
.background{ background-color: rgb(102,  
128, 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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