

Converting Colors

XYZ(20.3751, 21.6595, 48.1687)

Have a look what the booklet for
XYZ(20.3751, 21.6595, 48.1687)
contains.

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Color

**XYZ(20.3658, 21.7604,
47.9265)**

Conversions

Conversions Part 1

Format	Color
Hex	5384B7
RGB	83, 132, 183
RGB Percent	33%, 52%, 72%
CMY	0.6745, 0.4823, 0.2824
CMYK	0.55, 0.28, 0.00, 0.28
HSL	211°, 41%, 52%
HSV	211°, 55%, 72%
XYZ	20.3658, 21.7604, 47.9265
YIQ	123.1630, -45.5750, 5.4730

Conversions

Conversions Part 2

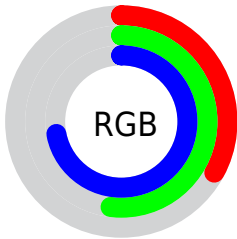
Format	Color
R _Y B	83, 116, 183
Decimal	5473463
CIE Lab	53.77, -1.54, -31.84
CIE LCh	54, 31.878, 267.225
Yxy	21.7604, 0.2262, 0.2416
Android (android.graphics.Color)	4283663543 (0xFF5384B7)
YUV	123.1630, 29.4996, -35.2230
Hunter-Lab	46.6480, -3.7038, -28.2613

Details

The XYZ color **20.3658, 21.7604, 47.9265** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.6158, 27.7433, 11.9788**, and the grayscale version is **18.7977, 19.7767, 21.5368**.

A 20% lighter version of the original color is **43.5764, 46.4189, 88.3244**, and **7.3720, 7.9268, 22.2606** is the 20% darker color. If you saturate the color by 10%, you get **17.7497, 18.6165, 47.4580**, and if you desaturate by 10%, it is **23.5228, 25.3520, 48.4538**.

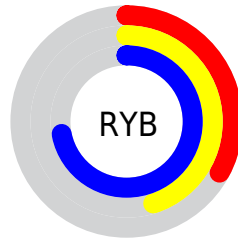
Distribution



Red (33%)

Green (52%)

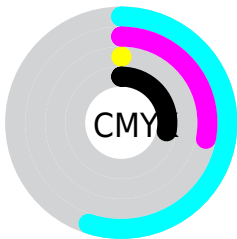
Blue (72%)



Red (33%)

Yellow (45%)

Blue (72%)

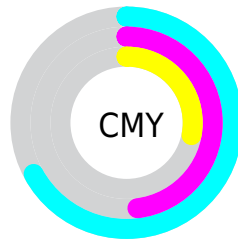


Cyan (55%)

Magenta (28%)

Yellow (0%)

Black (28%)



Cyan (67%)

Magenta (48%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3658, 21.7604, 47.9265 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 20.3658, 21.7604, 47.9265 by changing the saturation by 10% instead.

■ 20.3658, 21.7604,
47.9265

■ 20.3658, 21.7604,
47.9265

246.6846,
261.2925, 395.0010

■ 12.7710, 13.6810,
33.4091

■ 43.5289, 46.3497,
88.4594

■ 7.3470, 7.8991,
22.1664

■ 59.8280, 63.6283,
115.3119

■ 3.7283, 4.0305,
13.7797

■ 79.7591, 84.7421,
147.1133

■ 1.5496, 1.6906,
7.8306

■ 103.6878,
110.0754, 184.2820

■ 0.3592, 0.4176,
3.9005

131.9793,
140.0128, 227.2366

■ 0.0000, 0.0000,
1.5709

164.9991,

■ 0.0000, 0.0000,

174.9384, 276.3956

0.2700

203.1124,
215.2369, 332.1775

■ 0.0000, 0.0000,
0.0000

■ 20.3658, 21.7604,
47.9265

■ 20.3658, 21.7604,
47.9265

■ 17.7497, 18.6165,
47.4580

■ 23.5228, 25.3520,
48.4538

■ 15.6350, 15.8944,
47.0440

■ 27.2517, 29.4104,
49.0406

■ 13.9796, 13.5683,
46.6823

■ 31.5840, 33.9563,
49.6897

■ 12.7325, 11.6071,
46.3695

■ 36.5478, 39.0081,
50.4032

■ 12.1755, 10.6754,
46.2190

■ 42.1694, 44.5831,
51.1830

■ 48.4736, 50.6979,
52.0310

■ 55.4839, 57.3681,
52.9490

■ 63.2225, 64.6087,
53.9387

■ 71.7107, 72.4340,
55.0017

Harmonies

Analogous

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



17.3226, 21.7604, 43.3216



20.3658, 21.7604, 47.9265



23.8397, 21.7604, 44.6996

Triad

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



20.3658, 21.7604, 47.9265



27.0996, 21.7604, 16.0787



15.6309, 21.7604, 14.8894

Complementary

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



20.3658, 21.7604, 47.9265



29.6158, 27.7433, 11.9788

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.



17.8173, 21.7604, 10.5808



20.3658, 21.7604, 47.9265



24.4512, 21.7604, 11.1227

Square

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



20.3658, 21.7604, 47.9265



27.9720, 21.7604, 24.6171



21.0027, 21.7604, 9.4199



14.7843, 21.7604, 22.7930

Rectangle

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



20.3658, 21.7604, 47.9265



25.8957, 21.7604, 38.9256



21.0027, 21.7604, 9.4199



16.2208, 21.7604, 13.0654

Sweetspot

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



20.3666, 21.7612, 47.9270



63.9350, 68.3317, 90.0553



24.7352, 37.4000, 28.1066



13.7067, 14.6732, 19.8314



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.



20.3666, 21.7612, 47.9270



30.7815, 32.0798, 84.8054



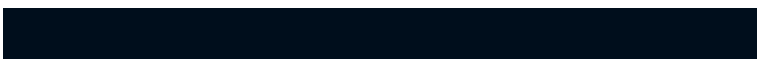
15.2087, 11.4455, 46.2077



8.8746, 9.4265, 11.4312



8.5622, 7.5840, 32.2657



0.3638, 0.3913, 1.1581

Inverse Universe

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



26.7872, 17.9207, 23.8776



44.0037, 26.3059, 34.8015



38.0238, 44.5593, 14.7814



9.1831, 9.0836, 10.3114



14.9355, 7.5479, 7.5469



0.5578, 0.2786, 0.4308

Previews

White Background



This preview shows how the XYZ color 20.3658, 21.7604, 47.9265 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 20.3658, 21.7604, 47.9265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

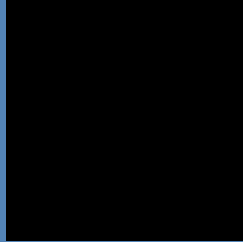
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3658, 21.7604, 47.9265

Background



This preview shows how black text looks on a background with the XYZ color 20.3658, 21.7604, 47.9265.

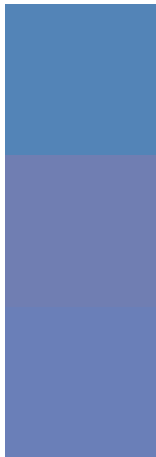


This preview shows how white text looks on a background with the XYZ color 20.3658, 21.7604,

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

20.3658, 21.7604, 47.9265

Protanopia

22.1788, 21.5808, 45.1160

Deuteranopia

22.1850, 21.7036, 48.3673



Tritanopia

17.1920, 21.7186, 32.1401

Trichromacy



Original Color

20.3658, 21.7604, 47.9265

Protanomaly

21.3242, 21.5003, 46.2061

Deuteranomaly

21.5390, 21.7579, 48.4119

Tritanomaly

18.2274, 21.7128, 37.4127

Monochromacy



Original Color

20.3658, 21.7604, 47.9265

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.7560, 20.1542, 29.6897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3658, 21.7604, 47.9265 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(83, 132, 183)` looks like.

```
.text, #text, p{  
    color:rgb(83, 132, 183)  
}
```

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(83, 132, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 132, 183) }
```

Border

The CSS property to change the border of an element to XYZ 20.3658, 21.7604, 47.9265 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(83, 132, 183) }
```


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

```
.border{ border-color:rgb(83, 132, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 132, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 132, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 132, 183);  
box-shadow:4px 4px 4px 4px rgb(83, 132,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3658, 21.7604, 47.9265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 132, 183) }
```

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

```
.background{ background-color: rgb(83, 132,  
183) }
```

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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