

Converting Colors

XYZ(20.2311, 21.8718, 34.5233)

Have a look what the booklet for
XYZ(20.2311, 21.8718, 34.5233)
contains.

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Color

**XYZ(20.1805, 21.7587,
34.5887)**

Conversions

Conversions Part 1

Format	Color
Hex	6B839C
RGB	107, 131, 156
RGB Percent	42%, 51%, 61%
CMY	0.5804, 0.4863, 0.3882
CMYK	0.31, 0.16, 0.00, 0.39
HSL	211°, 20%, 52%
HSV	211°, 31%, 61%
XYZ	20.1805, 21.7587, 34.5887
YIQ	126.6740, -22.3290, 2.6870

Conversions

Conversions Part 2

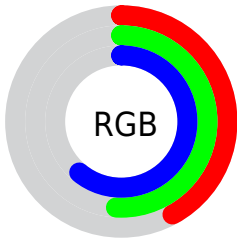
Format	Color
R _Y B	107, 123, 156
Decimal	7046044
CIE Lab	53.77, -2.45, -16.17
CIE LCh	54, 16.356, 261.400
Yxy	21.7587, 0.2637, 0.2843
Android (android.graphics.Color)	4285236124 (0xFF6B839C)
YUV	126.6740, 14.4577, -17.2541
Hunter-Lab	46.6462, -4.4066, -11.3118

Details

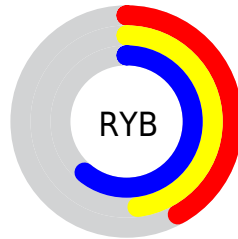
The XYZ color **20.1805, 21.7587, 34.5887** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.6159, 24.6324, 17.3678**, and the grayscale version is **20.0192, 21.0618, 22.9363**.

A 20% lighter version of the original color is **43.3956, 46.4577, 68.3081**, and **7.3120, 7.9540, 14.5145** is the 20% darker color. If you saturate the color by 10%, you get **17.4434, 18.8217, 34.1664**, and if you desaturate by 10%, it is **23.3395, 25.0361, 35.0552**.

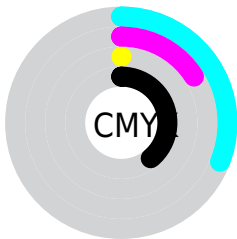
Distribution



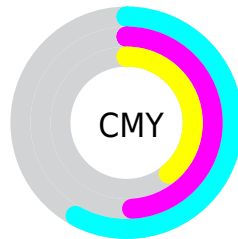
- Red (42%)
- Green (51%)
- Blue (61%)



- Red (42%)
- Yellow (48%)
- Blue (61%)



- Cyan (31%)
- Magenta (16%)
- Yellow (0%)
- Black (39%)



- Cyan (58%)
- Magenta (49%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1805, 21.7587, 34.5887 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 20.1805, 21.7587, 34.5887 by changing the saturation by 10% instead.

■ 20.1805, 21.7587,
34.5887

■ 20.1805, 21.7587,
34.5887

245.7056,
261.2835, 337.5981

■ 12.6353, 13.6797,
23.0652

■ 43.2212, 46.3469,
67.9924

■ 7.2532, 7.8982,
14.4359

■ 59.4475, 63.6248,
90.7098

■ 3.6687, 4.0299,
8.2823

■ 79.2982, 84.7379,
117.9954

■ 1.5165, 1.6903,
4.1857

■ 103.1387,
110.0704, 150.2680

■ 0.3370, 0.4174,
1.7278

131.3344,
140.0069, 187.9460

■ 0.0000, 0.0000,
0.3797

164.2505,

■ 0.0000, 0.0000,

174.9316, 231.4480

0.0000

202.2524,
215.2290, 281.1925

■ 20.1805, 21.7587,
34.5887

■ 20.1805, 21.7587,
34.5887

■ 17.4434, 18.8217,
34.1664

■ 23.3395, 25.0361,
35.0552

■ 15.1060, 16.2095,
33.7854

■ 26.9370, 28.6636,
35.5658

■ 13.1473, 13.9089,
33.4446

■ 30.9911, 32.6536,
36.1222

■ 11.5432, 11.9045,
33.1423

■ 35.5182, 37.0171,
36.7259

■ 10.2664, 10.1793,
32.8765

■ 40.5339, 41.7644,
37.3778

■ 9.2851, 8.7136,
32.6454

■ 46.0530, 46.9056,
38.0793

■ 8.6136, 7.6260,
32.4708

■ 52.0899, 52.4503,
38.8313

■ 58.6580, 58.4078,
39.6351

■ 65.7705, 64.7869,
40.4915

Harmonies

Analogous

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



18.6465, 21.7587, 32.0748



20.1805, 21.7587, 34.5887



21.9368, 21.7587, 33.8761

Triad

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



20.1805, 21.7587, 34.5887



23.9844, 21.7587, 20.3375



18.1544, 21.7587, 18.1595

Complementary

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



20.1805, 21.7587, 34.5887



24.6159, 24.6324, 17.3678

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.



19.4741, 21.7587, 15.7850



20.1805, 21.7587, 34.5887



22.8584, 21.7587, 16.9132

Square

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



20.1805, 21.7587, 34.5887



24.2000, 21.7587, 25.1662



21.1897, 21.7587, 15.3635



17.5208, 21.7587, 22.2756

Rectangle

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



20.1805, 21.7587, 34.5887



22.9937, 21.7587, 31.7048



21.1897, 21.7587, 15.3635



18.5288, 21.7587, 17.1568

Sweetspot

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



20.1812, 21.7596, 34.5892



50.4944, 53.6196, 64.8150



22.0832, 28.5555, 25.9993



10.8991, 11.5884, 14.2327



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.1812, 21.7596, 34.5892



32.9304, 35.5441, 62.2518



17.3225, 16.0423, 33.6363



6.5395, 6.9448, 8.4025



7.1295, 6.3505, 26.7572



0.1697, 0.1980, 0.4925

Inverse Universe

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



23.0653, 19.2227, 23.9683



39.1658, 30.5788, 39.1734



28.2530, 31.9068, 18.5802



6.7617, 6.6976, 7.5960



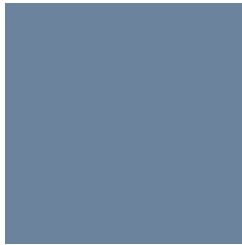
12.3968, 6.2633, 6.3408



0.2430, 0.1205, 0.2257

Previews

White Background



This preview shows how the XYZ color 20.1805, 21.7587, 34.5887 looks on a white background.

Color Contrast Check

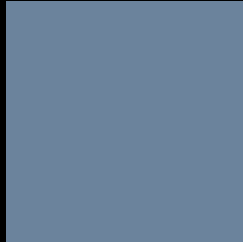
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1805, 21.7587, 34.5887 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

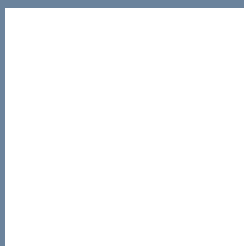
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1805, 21.7587, 34.5887

Background



This preview shows how black text looks on a background with the XYZ color 20.1805, 21.7587, 34.5887.



This preview shows how white text looks on a background with the XYZ color 20.1805, 21.7587,

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

20.1805, 21.7587, 34.5887

Protanopia

21.5075, 21.6896, 33.1899

Deuteranopia

22.1508, 21.7917, 34.9370



Tritanopia

19.1305, 21.7317, 29.5719

Trichromacy



Original Color

20.1805, 21.7587, 34.5887

Protanomaly

20.8880, 21.5533, 33.6311

Deuteranomaly

21.4127, 21.7946, 34.9765

Tritanomaly

19.4223, 21.6439, 31.1710

Monochromacy



Original Color

20.1805, 21.7587, 34.5887

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.0523, 21.2664, 27.0927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1805, 21.7587, 34.5887 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(107, 131, 156)` looks like.

```
.text, #text, p{  
    color:rgb(107, 131, 156)  
}
```

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(107, 131, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 131, 156) }
```

Border

The CSS property to change the border of an element to XYZ 20.1805, 21.7587, 34.5887 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(107, 131, 156) }
```


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

```
.border{ border-color:rgb(107, 131, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 131, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 131, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 131, 156);  
box-shadow:4px 4px 4px 4px rgb(107, 131,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1805, 21.7587, 34.5887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 131, 156) }
```

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

```
.background{ background-color: rgb(107,  
131, 156) }
```

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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