

Converting Colors

XYZ(20.2556, 18.7343, 54.7731)

Have a look what the booklet for
XYZ(20.2556, 18.7343, 54.7731)
contains.

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Color

**XYZ(20.2556, 18.7343,
54.7731)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 5775C4 |
| RGB | 87, 117, 196 |
| RGB Percent | 34%, 46%, 77% |
| CMY | 0.6588, 0.5412, 0.2314 |
| CMYK | 0.56, 0.40, 0.00, 0.23 |
| HSL | 223°, 48%, 55% |
| HSV | 223°, 56%, 77% |
| XYZ | 20.2556, 18.7343, 54.7731 |
| YIQ | 117.0360, -43.2390, 18.2090 |

Conversions

Conversions Part 2

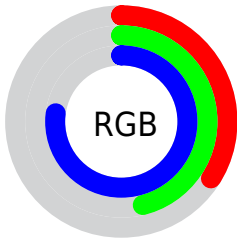
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 87, 111, 196 |
| Decimal | 5731780 |
| CIE Lab | 50.37, 12.56, -44.62 |
| CIE LCh | 50, 46.356, 285.718 |
| Yxy | 18.7343, 0.2160, 0.1998 |
| Android (android.graphics.Color) | 4283921860 (0xFF5775C4) |
| YUV | 117.0360, 38.9293, -26.3416 |
| Hunter-Lab | 43.2831, 7.7888, -44.7310 |

Details

The XYZ color **20.2556, 18.7343, 54.7731** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **38.1229, 39.6985, 14.6713**, and the grayscale version is **16.8132, 17.6888, 19.2631**.

A 20% lighter version of the original color is **43.4192, 41.3971, 98.6305**, and **7.2991, 6.3580, 26.4337** is the 20% darker color. If you saturate the color by 10%, you get **17.1364, 14.8530, 54.1887**, and if you desaturate by 10%, it is **24.1242, 23.3753, 55.4654**.

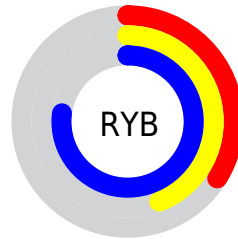
Distribution



Red (34%)

Green (46%)

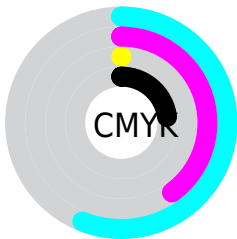
Blue (77%)



Red (34%)

Yellow (44%)

Blue (77%)

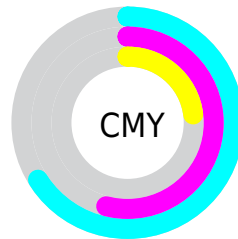


Cyan (56%)

Magenta (40%)

Yellow (0%)

Black (23%)



Cyan (66%)

Magenta (54%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2556, 18.7343, 54.7731 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 20.2556, 18.7343, 54.7731 by changing the saturation by 10% instead.

■ 20.2556, 18.7343,
54.7731

■ 20.2556, 18.7343,
54.7731

246.1028,
244.9780, 422.3089

■ 12.6903, 11.4784,
38.8227

■ 43.3460, 41.2846,
98.6762

■ 7.2912, 6.3896,
26.3151

■ 59.6018, 57.3479,
127.4661

■ 3.6928, 3.0834,
16.8316

■ 79.4852, 77.1158,
161.3728

■ 1.5299, 1.1754,
9.9538

■ 103.3614,
100.9727, 200.8150

■ 0.3460, 0.0415,
5.2631

131.5960,
129.3029, 246.2112

■ 0.0000, 0.0000,
2.3410

164.5541,

■ 0.0000, 0.0000,

162.4910, 297.9799

0.7541

202.6013,
200.9212, 356.5396

■ 0.0000, 0.0000,
0.0000

■ 20.2556, 18.7343,
54.7731

■ 20.2556, 18.7343,
54.7731

■ 17.1364, 14.8530,
54.1887

■ 24.1242, 23.3753,
55.4654

■ 14.7119, 11.6857,
53.7052

■ 28.7872, 28.8142,
56.2695

■ 12.9228, 9.1842,
53.3166

■ 34.2885, 35.0887,
57.1906

■ 11.6967, 7.2913,
53.0159

■ 40.6680, 42.2333,
58.2334

■ 11.2802, 6.6182,
52.9079

■ 47.9630, 50.2807,
59.4022

■ 56.2087, 59.2616,
60.7011

■ 65.4382, 69.2055,
62.1340

■ 75.6831, 80.1403,
63.7047

■ 83.8129, 90.4635,
65.2688

Harmonies

Analogous

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



15.7554, 18.7343, 55.0844



20.2556, 18.7343, 54.7731



24.7494, 18.7343, 43.0614

Triad

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



20.2556, 18.7343, 54.7731



24.5589, 18.7343, 7.3010



10.6667, 18.7343, 14.8741

Complementary

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



20.2556, 18.7343, 54.7731



38.1229, 39.6985, 14.6713

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.



12.3009, 18.7343, 7.5248



20.2556, 18.7343, 54.7731



20.0281, 18.7343, 4.5723

Square

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



20.2556, 18.7343, 54.7731



27.5051, 18.7343, 14.3931



15.5630, 18.7343, 4.6319



10.7066, 18.7343, 27.8776

Rectangle

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



20.2556, 18.7343, 54.7731



26.9186, 18.7343, 32.3843



15.5630, 18.7343, 4.6319



11.0246, 18.7343, 11.8086

Sweetspot

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



20.2563, 18.7349, 54.7736



71.6435, 74.2509, 105.1636



30.4735, 44.2276, 42.5847



14.8134, 15.3112, 22.4246



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.



20.2563, 18.7349, 54.7736



29.8585, 25.3895, 97.9347



19.8806, 14.1579, 53.9099



9.7489, 10.1891, 12.7377



7.3107, 4.3780, 34.0163



0.3756, 0.3087, 1.4897

Inverse Universe

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



29.3848, 19.8376, 19.1103



48.5301, 29.2672, 24.6238



38.5586, 48.9827, 16.4404



10.1846, 10.1224, 11.0624



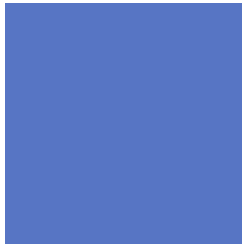
15.0861, 7.7242, 3.0995



0.6820, 0.3458, 0.2928

Previews

White Background



This preview shows how the XYZ color 20.2556, 18.7343, 54.7731 looks on a white background.

Color Contrast Check

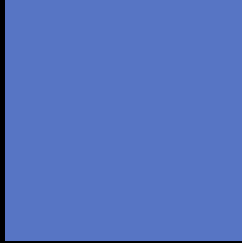
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2556, 18.7343, 54.7731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

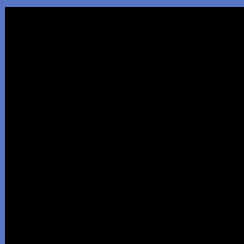
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

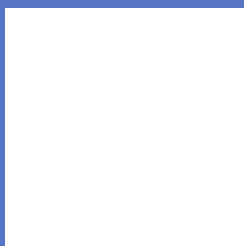
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2556, 18.7343, 54.7731

Background



This preview shows how black text looks on a background with the XYZ color 20.2556, 18.7343, 54.7731.



This preview shows how white text looks on a background with the XYZ color 20.2556, 18.7343,

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

20.2556, 18.7343, 54.7731

Protanopia

20.3496, 18.7828, 54.7775

Deuteranopia

19.2393, 18.7508, 54.2350



Tritanopia

14.8306, 18.7522, 27.6488

Trichromacy



Original Color

20.2556, 18.7343, 54.7731

Protanomaly

20.3496, 18.7828, 54.7775

Deuteranomaly

19.5077, 18.7116, 54.2133

Tritanomaly

16.5028, 18.6611, 35.9899

Monochromacy



Original Color

20.2556, 18.7343, 54.7731

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.4935, 17.8621, 29.7198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2556, 18.7343, 54.7731 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(87, 117, 196)` looks like.

```
.text, #text, p{  
    color:rgb(87, 117, 196)  
}
```

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(87, 117, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 117, 196) }
```

Border

The CSS property to change the border of an element to XYZ 20.2556, 18.7343, 54.7731 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(87, 117, 196) }
```


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

```
.border{ border-color:rgb(87, 117, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 117, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 117, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 117, 196);  
box-shadow:4px 4px 4px 4px rgb(87, 117,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2556, 18.7343, 54.7731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 117, 196) }
```

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

```
.background{ background-color: rgb(87, 117,  
196) }
```

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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