

Converting Colors

XYZ(20.3229, 18.2968, 51.1766)

Have a look what the booklet for
XYZ(20.3229, 18.2968, 51.1766)
contains.

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Color

**XYZ(20.3486, 18.3490,
51.1844)**

Conversions

Conversions Part 1

Format	Color
Hex	6272BE
RGB	98, 114, 190
RGB Percent	38%, 45%, 75%
CMY	0.6157, 0.5529, 0.2549
CMYK	0.48, 0.40, 0.00, 0.25
HSL	230°, 41%, 56%
HSV	230°, 48%, 75%
XYZ	20.3486, 18.3490, 51.1844
YIQ	117.8800, -33.9320, 20.2440

Conversions

Conversions Part 2

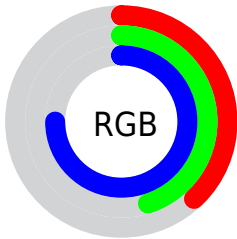
Format	Color
R _Y B	98, 112, 190
Decimal	6451902
CIE Lab	49.92, 14.99, -41.86
CIE LCh	50, 44.462, 289.702
Yxy	18.3490, 0.2264, 0.2041
Android (android.graphics.Color)	4284641982 (0xFF6272BE)
YUV	117.8800, 35.5552, -17.4348
Hunter-Lab	42.8357, 9.8317, -40.8606

Details

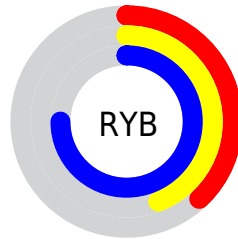
The XYZ color **20.3486, 18.3490, 51.1844** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **38.5769, 42.1026, 17.6498**, and the grayscale version is **17.0830, 17.9726, 19.5722**.

A 20% lighter version of the original color is **43.5616, 40.7601, 93.5672**, and **7.3066, 6.1454, 24.0936** is the 20% darker color. If you saturate the color by 10%, you get **16.9155, 14.1728, 50.5596**, and if you desaturate by 10%, it is **24.5735, 23.3849, 51.9341**.

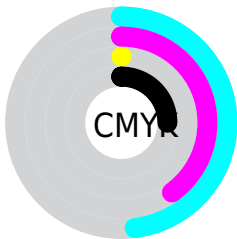
Distribution



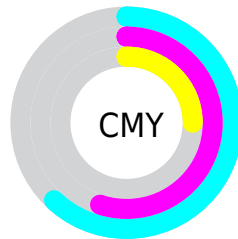
- Red (38%)
- Green (45%)
- Blue (75%)



- Red (38%)
- Yellow (44%)
- Blue (75%)



- Cyan (48%)
- Magenta (40%)
- Yellow (0%)
- Black (25%)



- Cyan (62%)
- Magenta (55%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3486, 18.3490, 51.1844 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 20.3486, 18.3490, 51.1844 by changing the saturation by 10% instead.

■ 20.3486, 18.3490,
51.1844

■ 20.3486, 18.3490,
51.1844

246.5938,
242.8309, 408.1468

■ 12.7584, 11.2008,
35.9776

■ 43.5004, 40.6311,
93.3416

■ 7.3383, 6.2021,
24.1274

■ 59.7927, 56.5339,
121.1291

■ 3.7227, 2.9684,
15.2151

■ 79.7164, 76.1236,
153.9472

■ 1.5465, 1.1152,
8.8222

■ 103.6369, 99.7847,
192.2146

■ 0.3572, 0.0000,
4.5301

131.9196,
127.9016, 236.3497

■ 0.0000, 0.0000,
1.9205

164.9297,

■ 0.0000, 0.0000,

160.8587, 286.7710

0.5057

203.0327,
199.0403, 343.8972

■ 0.0000, 0.0000,
0.0000

■ 20.3486, 18.3490,
51.1844

■ 20.3486, 18.3490,
51.1844

■ 16.9155, 14.1728,
50.5596

■ 24.5735, 23.3849,
51.9341

■ 14.2215, 10.8054,
50.0516

■ 29.6341, 29.3238,
52.8137

■ 12.2109, 8.1932,
49.6534

■ 35.5734, 36.2080,
53.8295

■ 10.8186, 6.2750,
49.3565

■ 42.4309, 44.0768,
54.9869

■ 9.9484, 4.9701,
49.1505

■ 50.2436, 52.9673,
56.2911

■ 9.8393, 4.8076,
49.1249

■ 59.0465, 62.9144,
57.7471

■ 68.8729, 73.9514,
59.3596

■ 79.7543, 86.1104,
61.1330

■ 86.2943, 96.4977,
62.7933

Harmonies

Analogous

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



16.0170, 18.3490, 53.0699



20.3486, 18.3490, 51.1844



24.4597, 18.3490, 39.3059

Triad

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



20.3486, 18.3490, 51.1844



23.2897, 18.3490, 6.9004



10.5611, 18.3490, 16.0733

Complementary

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



20.3486, 18.3490, 51.1844



38.5769, 42.1026, 17.6498

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.



11.9112, 18.3490, 8.3268



20.3486, 18.3490, 51.1844



18.9452, 18.3490, 4.6490

Square

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



20.3486, 18.3490, 51.1844



26.3399, 18.3490, 13.0706



14.8230, 18.3490, 5.0357



10.8117, 18.3490, 28.9725

Rectangle

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



20.3486, 18.3490, 51.1844



26.3016, 18.3490, 29.2674



14.8230, 18.3490, 5.0357



10.8329, 18.3490, 12.8985

Sweetspot

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



20.3493, 18.3496, 51.1849



68.2268, 69.9458, 98.1841



31.0069, 42.4464, 46.1623



14.4224, 14.7156, 21.4655



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



20.3493, 18.3496, 51.1849



30.3668, 25.3301, 91.5678



22.4352, 16.9765, 50.8099



9.1471, 9.4864, 12.0212



6.5835, 3.2787, 32.6788



0.2998, 0.2123, 1.2940

Inverse Universe

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



28.6408, 20.8984, 18.4443



47.3717, 31.2963, 24.2550



35.2899, 45.2725, 18.4349



9.5961, 9.5627, 10.2620



14.3238, 7.3607, 1.7328



0.5823, 0.2968, 0.1794

Previews

White Background



This preview shows how the XYZ color 20.3486, 18.3490, 51.1844 looks on a white background.

Color Contrast Check

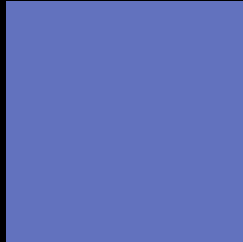
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.3486, 18.3490, 51.1844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

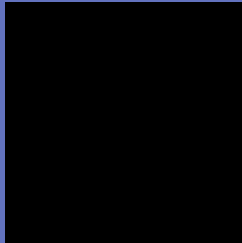
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3486, 18.3490, 51.1844

Background



This preview shows how black text looks on a background with the XYZ color 20.3486, 18.3490, 51.1844.

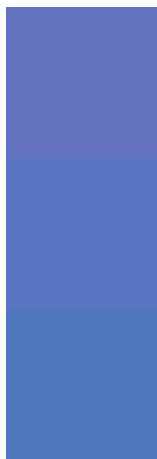


This preview shows how white text looks on a background with the XYZ color 20.3486, 18.3490,

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

20.3486, 18.3490, 51.1844

Protanopia

19.8796, 18.4204, 52.3769

Deuteranopia

18.9240, 18.4875, 50.7151



Tritanopia

15.3845, 18.4931, 26.0512

Trichromacy



Original Color

20.3486, 18.3490, 51.1844

Protanomaly

19.9483, 18.2984, 51.7708

Deuteranomaly

19.2929, 18.3280, 50.6649

Tritanomaly

16.9848, 18.3941, 34.1077

Monochromacy



Original Color

20.3486, 18.3490, 51.1844

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.9509, 18.1157, 28.9361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3486, 18.3490, 51.1844 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(98, 114, 190)` looks like.

```
.text, #text, p{  
    color:rgb(98, 114, 190)  
}
```

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(98, 114, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 114, 190) }
```

Border

The CSS property to change the border of an element to XYZ 20.3486, 18.3490, 51.1844 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(98, 114, 190) }
```


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

```
.border{ border-color:rgb(98, 114, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 114, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 114, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 114, 190);  
box-shadow:4px 4px 4px 4px rgb(98, 114,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3486, 18.3490, 51.1844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 114, 190) }
```

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

```
.background{ background-color: rgb(98, 114,  
190) }
```

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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