

Converting Colors

XYZ(20.0512, 17.3666, 52.2215)

Have a look what the booklet for
XYZ(20.0512, 17.3666, 52.2215)
contains.

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Color

**XYZ(20.0201, 17.3397,
52.1609)**

Conversions

Conversions Part 1

Format	Color
Hex	626DC0
RGB	98, 109, 192
RGB Percent	38%, 43%, 75%
CMY	0.6157, 0.5725, 0.2471
CMYK	0.49, 0.43, 0.00, 0.25
HSL	233°, 43%, 57%
HSV	233°, 49%, 75%
XYZ	20.0201, 17.3397, 52.1609
YIQ	115.1730, -33.1990, 23.4810

Conversions

Conversions Part 2

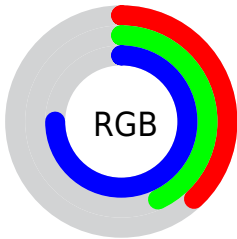
Format	Color
R_{YB}	98, 108, 192
Decimal	6450624
CIE _{Lab}	48.69, 18.68, -44.97
CIE _{LCh}	49, 48.691, 292.558
Yxy	17.3397, 0.2236, 0.1937
Android (android.graphics.Color)	4284640704 (0xFF626DC0)
YUV	115.1730, 37.8757, -15.0607
Hunter-Lab	41.6410, 12.9474, -45.1200

Details

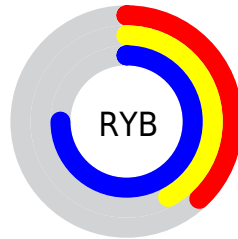
The XYZ color **20.0201, 17.3397, 52.1609** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **40.4679, 45.1379, 18.1360**, and the grayscale version is **16.2447, 17.0907, 18.6117**.

A 20% lighter version of the original color is **42.9961, 38.8512, 94.8554**, and **7.1851, 5.7313, 24.7723** is the 20% darker color. If you saturate the color by 10%, you get **16.5540, 13.1222, 51.5299**, and if you desaturate by 10%, it is **24.3333, 22.5122, 52.9323**.

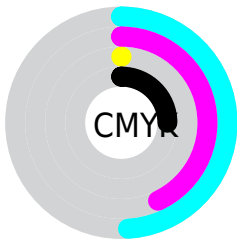
Distribution



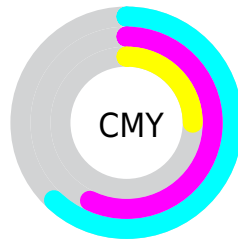
- Red (38%)
- Green (43%)
- Blue (75%)



- Red (38%)
- Yellow (42%)
- Blue (75%)



- Cyan (49%)
- Magenta (43%)
- Yellow (0%)
- Black (25%)



- Cyan (62%)
- Magenta (57%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0201, 17.3397, 52.1609 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 20.0201, 17.3397, 52.1609 by changing the saturation by 10% instead.

■ 20.0201, 17.3397,
52.1609

■ 20.0201, 17.3397,
52.1609

244.8554,
237.1224, 412.0321

■ 12.5180, 10.4770,
36.7502

■ 42.9546, 38.9089,
94.7975

■ 7.1722, 5.7163,
24.7199

■ 59.1176, 54.3842,
122.8605

■ 3.6173, 2.6734,
15.6514

■ 78.8984, 73.4992,
155.9780

■ 1.4880, 0.9637,
9.1261

■ 102.6623, 96.6381,
194.5685

■ 0.3176, 0.0000,
4.7256

130.7745,
124.1856, 239.0507

■ 0.0000, 0.0000,
2.0313

163.6006,

■ 0.0000, 0.0000,

156.5258, 289.8429

0.5744

201.5057,
194.0433, 347.3639

■ 0.0000, 0.0000,
0.0000

■ 20.0201, 17.3397,
52.1609

■ 20.0201, 17.3397,
52.1609

■ 16.5540, 13.1222,
51.5299

■ 24.3333, 22.5122,
52.9323

■ 13.8766, 9.7991,
51.0296

■ 29.5425, 28.6916,
53.8505

■ 11.9255, 7.3053,
50.6511

■ 35.6955, 35.9285,
54.9231

■ 10.6275, 5.5662,
50.3838

■ 42.8359, 44.2691,
56.1566

■ 9.8710, 4.4816,
50.2143

■ 51.0047, 53.7573,
57.5575

■ 9.8103, 4.3974,
50.2013

■ 60.2405, 64.4343,
59.1316

■ 70.5799, 76.3394,
60.8846

■ 82.0578, 89.5101,
62.8218

■ 86.5145, 96.5858,
63.9527

Harmonies

Analogous

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



15.3877, 17.3397, 55.5467



20.0201, 17.3397, 52.1609



24.3308, 17.3397, 38.2569

Triad

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



20.0201, 17.3397, 52.1609



22.3072, 17.3397, 5.2658



9.3162, 17.3397, 15.8550

Complementary

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



20.0201, 17.3397, 52.1609



40.4679, 45.1379, 18.1360

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.



10.5320, 17.3397, 7.4836



20.0201, 17.3397, 52.1609



17.6246, 17.3397, 3.4432

Square

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



20.0201, 17.3397, 52.1609



25.8097, 17.3397, 10.8937



13.3854, 17.3397, 4.0135



9.7239, 17.3397, 30.0439

Rectangle

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



20.0201, 17.3397, 52.1609



26.1669, 17.3397, 27.3041



13.3854, 17.3397, 4.0135



9.5396, 17.3397, 12.3957

Sweetspot

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



20.0208, 17.3403, 52.1613



69.2722, 70.4775, 100.3128



32.0714, 43.5701, 49.6159



14.2909, 14.4526, 21.4217



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.



20.0208, 17.3403, 52.1613



29.4527, 23.1104, 93.2687



23.4720, 17.4856, 52.0075



9.6211, 9.9336, 12.6951



6.6316, 3.0197, 33.7899



0.3187, 0.1948, 1.4707

Inverse Universe

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



28.8669, 21.0470, 17.0094



47.5576, 31.2477, 21.2014



35.0639, 45.8036, 18.5494



10.1201, 10.0966, 10.7228



14.7433, 7.5871, 1.2943



0.6533, 0.3343, 0.1415

Previews

White Background



This preview shows how the XYZ color 20.0201, 17.3397, 52.1609 looks on a white background.

Color Contrast Check

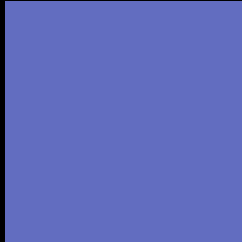
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0201, 17.3397, 52.1609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

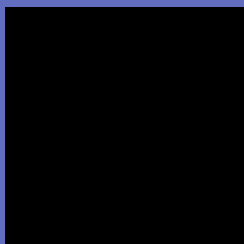
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0201, 17.3397, 52.1609

Background



This preview shows how black text looks on a background with the XYZ color 20.0201, 17.3397, 52.1609.

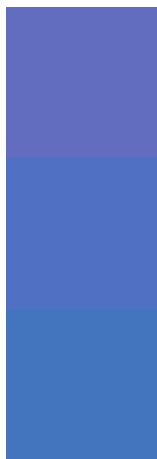


This preview shows how white text looks on a background with the XYZ color 20.0201, 17.3397,

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

20.0201, 17.3397, 52.1609

Protanopia

19.0637, 17.4559, 53.9943

Deuteranopia

17.8544, 17.4018, 51.1330



Tritanopia

14.4327, 17.2905, 24.4065

Trichromacy



Original Color

20.0201, 17.3397, 52.1609

Protanomaly

19.4623, 17.5096, 53.3929

Deuteranomaly

18.4510, 17.1915, 51.6360

Tritanomaly

16.1245, 17.0819, 33.0191

Monochromacy



Original Color

20.0201, 17.3397, 52.1609

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.1697, 17.0446, 28.3716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0201, 17.3397, 52.1609 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, 109, 192) looks like.

```
.text, #text, p{  
    color:rgb(98, 109, 192)  
}
```

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, 109, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 109, 192) }
```

Border

The CSS property to change the border of an element to XYZ 20.0201, 17.3397, 52.1609 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, 109, 192) }
```


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

```
.border{ border-color:rgb(98, 109, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 109, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 109, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 109, 192);  
box-shadow:4px 4px 4px 4px rgb(98, 109,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0201, 17.3397, 52.1609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 109, 192) }
```

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

```
.background{ background-color: rgb(98, 109,  
192) }
```

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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