

Converting Colors

XYZ(16.8762, 20.0946, 41.4423)

Have a look what the booklet for
XYZ(16.8762, 20.0946, 41.4423)
contains.

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Color

**XYZ(16.9173, 20.1209,
41.5202)**

Conversions

Conversions Part 1

Format	Color
Hex	3284AB
RGB	50, 132, 171
RGB Percent	20%, 52%, 67%
CMY	0.8039, 0.4823, 0.3294
CMYK	0.71, 0.23, 0.00, 0.33
HSL	199°, 55%, 43%
HSV	199°, 71%, 67%
XYZ	16.9173, 20.1209, 41.5202
YIQ	111.9280, -61.3910, -5.2550

Conversions

Conversions Part 2

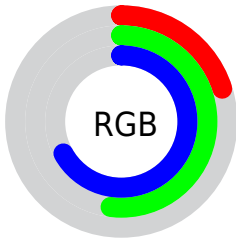
Format	Color
RYB	50, 99, 171
Decimal	3310763
CIELab	51.97, -11.73, -27.84
CIELCh	52, 30.208, 247.142
Yxy	20.1209, 0.2153, 0.2561
Android (android.graphics.Color)	4281500843 (0xFF3284AB)
YUV	111.9280, 29.1225, -54.3109
Hunter-Lab	44.8563, -11.1783, -23.4810




Details

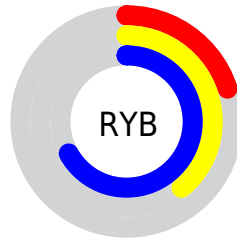
The XYZ color **16.9173, 20.1209, 41.5202** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.9435, 16.0341, 5.0094**, and the grayscale version is **15.3110, 16.1084, 17.5421**.




A 20% lighter version of the original color is **37.6320, 43.5684, 78.3776**, and **6.4230, 7.5184, 18.5654** is the 20% darker color. If you saturate the color by 10%, you get **15.4987, 18.3095, 41.2457**, and if you desaturate by 10%, it is **18.6917, 22.1751, 41.8236**.

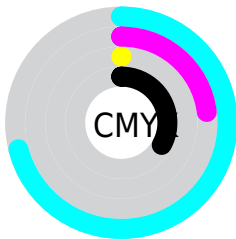
Distribution







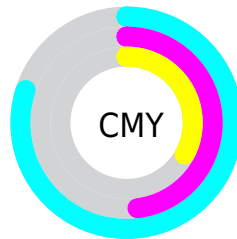
-  Red (20%)
-  Green (52%)
-  Blue (67%)






-  Red (20%)
-  Yellow (39%)
-  Blue (67%)



-  Cyan (71%)
-  Magenta (23%)
-  Yellow (0%)
-  Black (33%)



-  Cyan (80%)
-  Magenta (48%)
-  Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9173, 20.1209, 41.5202 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 16.9173, 20.1209, 41.5202 by changing the saturation by 10% instead.

■ 16.9173, 20.1209,
41.5202

■ 16.9173, 20.1209,
41.5202

227.8609,
252.5689, 368.2309

■ 10.2705, 12.4830,
28.4030

■ 37.7283, 43.6198,
78.7352

■ 5.6423, 7.0735,
18.3880

■ 52.6231, 60.2495,
103.6701

■ 2.6674, 3.5081,
11.0566

■ 70.9980, 80.6453,
133.3813

■ 0.9804, 1.4024,
5.9903

■ 93.2184, 105.1915,
168.2873

■ 0.0000, 0.2185,
2.7705

■ 119.6494,
134.2726, 208.8068

■ 0.0000, 0.0000,
0.9787

150.6567,

■ 0.0000, 0.0000,

168.2729, 255.3582

0.0000

186.6054,
207.5769, 308.3600

■ 16.9173, 20.1209,
41.5202

■ 16.9173, 20.1209,
41.5202

■ 15.4987, 18.3095,
41.2457

■ 18.6917, 22.1751,
41.8236

■ 14.3959, 16.7183,
40.9967

■ 20.8517, 24.4872,
42.1560

■ 13.5828, 15.4043,
40.7859

■ 23.4263, 27.0734,
42.5195

■ 26.4410, 29.9477,
42.9154

■ 29.9189, 33.1228,
43.3450

■ 33.8817, 36.6107,
43.8093

■ 38.3495, 40.4226,
44.3096

■ 43.3412, 44.5690,
44.8469

■ 48.8748, 49.0599,
45.4220

Harmonies

Analogous

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



14.7859, 20.1209, 33.8116



16.9173, 20.1209, 41.5202



19.8692, 20.1209, 43.3835

Triad

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



16.9173, 20.1209, 41.5202



25.6147, 20.1209, 19.8688



15.7704, 20.1209, 10.9885

Complementary

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



16.9173, 20.1209, 41.5202



20.9435, 16.0341, 5.0094

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.



18.3983, 20.1209, 9.0313



16.9173, 20.1209, 41.5202



24.2378, 20.1209, 13.1888

Square

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



16.9173, 20.1209, 41.5202



25.1094, 20.1209, 29.1699



21.5154, 20.1209, 9.7118



14.1750, 20.1209, 15.9644

Rectangle

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



16.9173, 20.1209, 41.5202



21.9518, 20.1209, 40.7060



21.5154, 20.1209, 9.7118



16.5507, 20.1209, 10.0263

Sweetspot

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



16.9180, 20.1216, 41.5207



53.1752, 58.9552, 77.5787



17.6536, 30.5143, 14.2619



11.4714, 12.7982, 17.2534



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.9180, 20.1216, 41.5207



26.5578, 31.1077, 73.6065



10.9961, 8.2778, 39.5467



8.0154, 8.6302, 10.1960



10.2885, 11.7108, 30.7627



0.3329, 0.4191, 0.8713

Inverse Universe

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



22.1006, 12.6058, 23.0988



37.0690, 19.1847, 35.4994



28.0894, 30.3259, 7.3914



8.2256, 8.1035, 9.4987



15.0568, 7.4853, 13.2104



0.4424, 0.2177, 0.4916

Previews

White Background



This preview shows how the XYZ color 16.9173, 20.1209, 41.5202 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 16.9173, 20.1209, 41.5202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

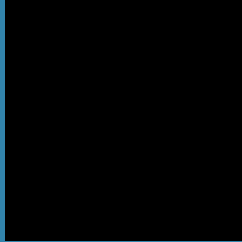
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9173, 20.1209, 41.5202

Background



This preview shows how black text looks on a background with the XYZ color 16.9173, 20.1209, 41.5202.

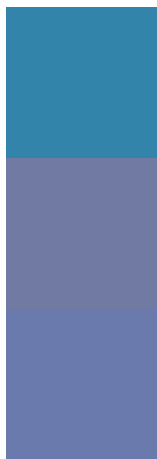


This preview shows how white text looks on a background with the XYZ color 16.9173, 20.1209,

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

16.9173, 20.1209, 41.5202

Protanopia

20.2525, 20.0082, 37.4449

Deuteranopia

20.4462, 20.0004, 42.3180



Tritanopia

14.6978, 20.0382, 30.6969

Trichromacy



Original Color

16.9173, 20.1209, 41.5202

Protanomaly

18.4636, 19.7987, 38.9248

Deuteranomaly

18.7450, 19.8787, 41.8787

Tritanomaly

15.5014, 20.1596, 34.5267

Monochromacy



Original Color

16.9173, 20.1209, 41.5202

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.9503, 17.0110, 24.6858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9173, 20.1209, 41.5202 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(50, 132, 171)` looks like.

```
.text, #text, p{  
    color:rgb(50, 132, 171)  
}
```

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(50, 132, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 132, 171) }
```

Border

The CSS property to change the border of an element to XYZ 16.9173, 20.1209, 41.5202 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(50, 132, 171) }
```


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

```
.border{ border-color:rgb(50, 132, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 132, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 132, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 132, 171);  
box-shadow:4px 4px 4px 4px rgb(50, 132,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9173, 20.1209, 41.5202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 132, 171) }
```

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

```
.background{ background-color: rgb(50, 132,  
171) }
```

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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