

Converting Colors

XYZ(16.8499, 21.1333, 18.6859)

Have a look what the booklet for
XYZ(16.8499, 21.1333, 18.6859)
contains.

XYZ(16.9001, 21.2295, 18.8298)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.9001, 21.2295,
18.8298)**

Conversions

Conversions Part 1

Format	Color
Hex	648771
RGB	100, 135, 113
RGB Percent	39%, 53%, 44%
CMY	0.6078, 0.4706, 0.5569
CMYK	0.26, 0.00, 0.16, 0.47
HSL	142°, 15%, 46%
HSV	142°, 26%, 53%
XYZ	16.9001, 21.2295, 18.8298
YIQ	122.0270, -13.7980, -14.2620

Conversions

Conversions Part 2

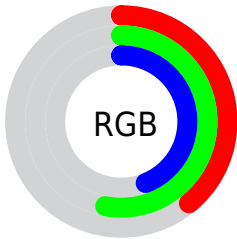
Format	Color
RYB	100, 126, 135
Decimal	6588273
CIELab	53.20, -17.11, 7.88
CIElCh	53, 18.843, 155.271
Yxy	21.2295, 0.2967, 0.3727
Android (android.graphics.Color)	4284778353 (0xFF648771)
YUV	122.0270, -4.4503, -19.3177
Hunter-Lab	46.0755, -15.1598, 8.0226

Details

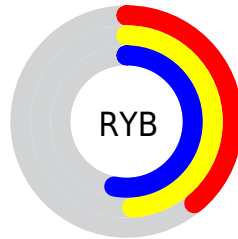
The XYZ color **16.9001, 21.2295, 18.8298** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.0624, 15.6708, 20.4859**, and the grayscale version is **18.5252, 19.4900, 21.2246**.

A 20% lighter version of the original color is **37.7236, 45.3585, 42.3641**, and **5.6188, 7.6087, 6.1735** is the 20% darker color. If you saturate the color by 10%, you get **15.0733, 20.3410, 16.3661**, and if you desaturate by 10%, it is **19.0202, 22.2652, 21.5414**.

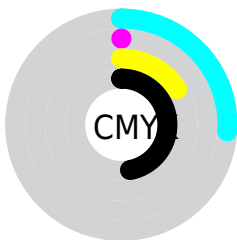
Distribution



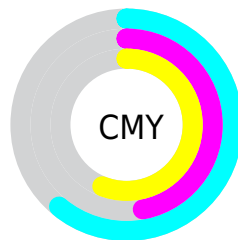
- Red (39%)
- Green (53%)
- Blue (44%)



- Red (39%)
- Yellow (49%)
- Blue (53%)



- Cyan (26%)
- Magenta (0%)
- Yellow (16%)
- Black (47%)



- Cyan (61%)
- Magenta (47%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9001, 21.2295, 18.8298 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 16.9001, 21.2295, 18.8298 by changing the saturation by 10% instead.

■ 16.9001, 21.2295,
18.8298

■ 16.9001, 21.2295,
18.8298

227.7635,
258.4957, 257.8989

■ 10.2582, 13.2919,
11.3718

■ 37.6989, 45.4692,
42.2792

■ 5.6340, 7.6298,
6.2002

■ 52.5865, 62.5400,
59.1076

■ 2.6624, 3.8590,
2.8964

■ 70.9533, 83.4240,
79.8966

■ 0.9778, 1.5950,
1.0420

■ 93.1647, 108.5056,
105.0647

■ 0.0000, 0.3542,
0.0000

119.5861,
138.1692, 135.0304

■ 0.0000, 0.0000,
0.0000

150.5828,

172.7991, 170.2123

186.5201,
212.7798, 211.0290

■ 16.9001, 21.2295,
18.8298

■ 16.9001, 21.2295,
18.8298

■ 15.0733, 20.3410,
16.3661

■ 19.0202, 22.2652,
21.5414

■ 13.5247, 19.5903,
14.1419

■ 21.4444, 23.4518,
24.5061

■ 12.2404, 18.9709,
12.1503

■ 24.1851, 24.7962,
27.7309

■ 11.2044, 18.4749,
10.3836

■ 27.2533, 26.3038,
31.2219

■ 10.3993, 18.0933,
8.8336

■ 30.6597, 27.9801,
34.9853

■ 9.8048, 17.8159,
7.4918

■ 34.4143, 29.8301,
39.0267

■ 9.3897, 17.6268,
6.3483

■ 38.5269, 31.8588,
43.3517

■ 9.2432, 17.5603,
5.9361

■ 43.0067, 34.0707,
47.9660

■ 47.8627, 36.4704,
52.8746

Harmonies

Analogous

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



18.0494, 21.2295, 15.2772



16.9001, 21.2295, 18.8298



16.6046, 21.2295, 24.1360

Triad

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



16.9001, 21.2295, 18.8298



20.5313, 21.2295, 35.8259



23.4639, 21.2295, 17.3505

Complementary

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



16.9001, 21.2295, 18.8298



18.0624, 15.6708, 20.4859

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.



24.2305, 21.2295, 22.1238



16.9001, 21.2295, 18.8298



22.4677, 21.2295, 33.2593

Square

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



16.9001, 21.2295, 18.8298



18.6202, 21.2295, 34.5580



23.8545, 21.2295, 28.0062



21.8204, 21.2295, 14.5265

Rectangle

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



16.9001, 21.2295, 18.8298



16.9137, 21.2295, 28.1129



23.8545, 21.2295, 28.0062



23.8374, 21.2295, 18.7481

Sweetspot

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



16.9007, 21.2304, 18.8303



37.3747, 41.4931, 42.6479



19.0146, 22.3988, 15.3780



8.5152, 9.5406, 9.7065



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.9007, 21.2304, 18.8303



28.3150, 37.0683, 31.1219



17.9718, 21.6588, 24.4709



4.6825, 5.2312, 5.3395



8.5291, 16.1945, 5.5056



0.0329, 0.0574, 0.0366

Inverse Universe

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



18.0624, 15.6708, 20.4859



30.7546, 25.3876, 34.5948



17.0821, 15.2787, 15.3240



4.7865, 4.7343, 5.4878



10.7269, 5.3551, 8.4004



0.0407, 0.0200, 0.0477

Previews

White Background



This preview shows how the XYZ color 16.9001, 21.2295, 18.8298 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 16.9001, 21.2295, 18.8298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

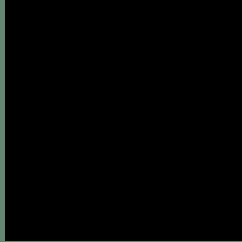
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9001, 21.2295, 18.8298

Background



This preview shows how black text looks on a background with the XYZ color 16.9001, 21.2295, 18.8298.



This preview shows how white text looks on a background with the XYZ color 16.9001, 21.2295,

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

16.9001, 21.2295, 18.8298

Protanopia

19.8940, 21.0124, 17.4753

Deuteranopia

21.4396, 21.0197, 19.4502



Tritanopia

18.7497, 21.1589, 28.2952

Trichromacy



Original Color

16.9001, 21.2295, 18.8298

Protanomaly

18.5499, 20.8913, 17.8066

Deuteranomaly

19.4363, 20.9286, 19.2349

Tritanomaly

17.9415, 21.0248, 24.5853

Monochromacy



Original Color

16.9001, 21.2295, 18.8298

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.8586, 20.0881, 20.3889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9001, 21.2295, 18.8298 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(100, 135, 113)` looks like.

```
.text, #text, p{  
    color:rgb(100, 135, 113)  
}
```

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(100, 135, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 135, 113) }
```

Border

The CSS property to change the border of an element to XYZ 16.9001, 21.2295, 18.8298 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(100, 135, 113) }
```


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

```
.border{ border-color:rgb(100, 135, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 135, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 135, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 135, 113);  
box-shadow:4px 4px 4px 4px rgb(100, 135,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9001, 21.2295, 18.8298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 135, 113) }
```

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

```
.background{ background-color: rgb(100,  
135, 113) }
```

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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