

Converting Colors

XYZ(18.1307, 21.0284, 33.2397)

Have a look what the booklet for
XYZ(18.1307, 21.0284, 33.2397)
contains.

XYZ(18.0255, 20.8771, 33.2166)	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(18.0255, 20.8771,
33.2166)**

Conversions

Conversions Part 1

Format	Color
Hex	588499
RGB	88, 132, 153
RGB Percent	35%, 52%, 60%
CMY	0.6549, 0.4823, 0.4000
CMYK	0.42, 0.14, 0.00, 0.40
HSL	199°, 27%, 47%
HSV	199°, 42%, 60%
XYZ	18.0255, 20.8771, 33.2166
YIQ	121.2380, -32.9650, -2.7970

Conversions

Conversions Part 2

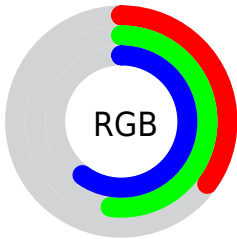
Format	Color
R _Y B	88, 114, 153
Decimal	5801113
CIE Lab	52.81, -9.35, -15.99
CIE LCh	53, 18.522, 239.689
Yxy	20.8771, 0.2499, 0.2895
Android (android.graphics.Color)	4283991193 (0xFF588499)
YUV	121.2380, 15.6587, -29.1497
Hunter-Lab	45.6915, -9.5410, -11.1184

Details

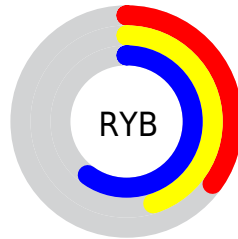
The XYZ color **18.0255, 20.8771, 33.2166** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.3674, 18.4146, 11.7140**, and the grayscale version is **18.2100, 19.1583, 20.8634**.

A 20% lighter version of the original color is **39.5960, 44.8656, 65.6045**, and **6.2191, 7.5209, 13.6943** is the 20% darker color. If you saturate the color by 10%, you get **16.0720, 18.8989, 32.9381**, and if you desaturate by 10%, it is **20.3160, 23.0772, 33.5209**.

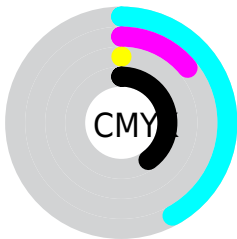
Distribution



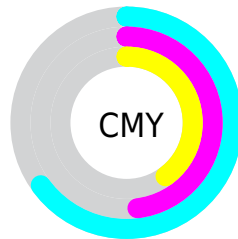
- Red (35%)
- Green (52%)
- Blue (60%)



- Red (35%)
- Yellow (45%)
- Blue (60%)



- Cyan (42%)
- Magenta (14%)
- Yellow (0%)
- Black (40%)



- Cyan (65%)
- Magenta (48%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0255, 20.8771, 33.2166 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 18.0255, 20.8771, 33.2166 by changing the saturation by 10% instead.

■ 18.0255, 20.8771,
33.2166

■ 18.0255, 20.8771,
33.2166

234.0575,
256.6246, 331.2865

■ 11.0681, 13.0342,
22.0200

■ 39.6105, 44.8829,
65.8335

■ 6.1803, 7.4521,
13.6731

■ 54.9688, 61.8146,
88.0907

■ 2.9967, 3.7464,
7.7575

■ 73.8582, 82.5447,
114.8720

■ 1.1520, 1.5327,
3.8546

■ 96.6439, 107.4575,
146.5957

■ 0.0680, 0.3116,
1.5459

123.6913,
136.9376, 183.6805

■ 0.0000, 0.0000,
0.2518

155.3658,

■ 0.0000, 0.0000,

171.3692, 226.5449

0.0000

192.0328,
211.1367, 275.6074

■ 18.0255, 20.8771,
33.2166

■ 18.0255, 20.8771,
33.2166

■ 16.0720, 18.8989,
32.9381

■ 20.3160, 23.0772,
33.5209

■ 14.4341, 17.1293,
32.6829

■ 22.9595, 25.5065,
33.8505

■ 13.0904, 15.5574,
32.4503

■ 25.9733, 28.1752,
34.2067

■ 12.0163, 14.1696,
32.2390

■ 29.3729, 31.0917,
34.5905

■ 11.1823, 12.9500,
32.0476

■ 33.1728, 34.2643,
35.0026

■ 10.6571, 12.1145,
31.9140

■ 37.3869, 37.7006,
35.4438

■ 42.0282, 41.4078,
35.9147

■ 47.1093, 45.3932,
36.4162

■ 52.6422, 49.6633,
36.9488

Harmonies

Analogous

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



16.7858, 20.8771, 28.4228



18.0255, 20.8771, 33.2166



19.8229, 20.8771, 35.1258

Triad

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



18.0255, 20.8771, 33.2166



23.7972, 20.8771, 22.7894



18.0583, 20.8771, 14.6807

Complementary

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



18.0255, 20.8771, 33.2166



20.3674, 18.4146, 11.7140

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.



19.8632, 20.8771, 13.6612



18.0255, 20.8771, 33.2166



23.2507, 20.8771, 17.8559

Square

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



18.0255, 20.8771, 33.2166



23.2283, 20.8771, 28.5389



21.7789, 20.8771, 14.7239



16.8038, 20.8771, 17.7709

Rectangle

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



18.0255, 20.8771, 33.2166



21.1220, 20.8771, 34.3006



21.7789, 20.8771, 14.7239



18.6168, 20.8771, 14.1092

Sweetspot

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



18.0262, 20.8779, 33.2171



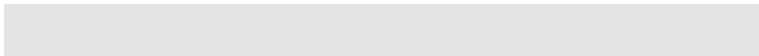
46.0723, 50.0721, 61.2086



18.1542, 25.9528, 18.4038



9.9189, 10.8336, 13.4858



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.0262, 20.8779, 33.2171



28.9358, 34.0049, 59.0105



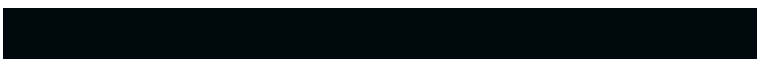
14.3240, 13.4736, 31.9830



6.2163, 6.6899, 7.8926



8.8389, 10.0745, 26.3864



0.1647, 0.2158, 0.4053

Inverse Universe

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



20.7920, 15.4183, 23.7108



34.7388, 23.5212, 38.8474



24.4359, 26.5517, 13.0702



6.3763, 6.2897, 7.3616



12.9202, 6.4223, 11.3709



0.2096, 0.1026, 0.2566

Previews

White Background



This preview shows how the XYZ color 18.0255, 20.8771, 33.2166 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 18.0255, 20.8771, 33.2166 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

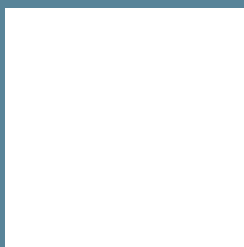
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.0255, 20.8771, 33.2166

Background



This preview shows how black text looks on a background with the XYZ color 18.0255, 20.8771, 33.2166.



This preview shows how white text looks on a background with the XYZ color 18.0255, 20.8771,

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

18.0255, 20.8771, 33.2166

Protanopia

20.5641, 20.8703, 30.9615

Deuteranopia

21.1677, 20.7434, 33.8986



Tritanopia

17.2593, 20.7671, 29.4843

Trichromacy



Original Color

18.0255, 20.8771, 33.2166

Protanomaly

19.5309, 20.8916, 31.8572

Deuteranomaly

19.7240, 20.5698, 33.5027

Tritanomaly

17.5845, 20.9079, 30.7126

Monochromacy



Original Color

18.0255, 20.8771, 33.2166

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.8739, 19.6119, 25.0337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0255, 20.8771, 33.2166 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(88, 132, 153)` looks like.

```
.text, #text, p{  
  color:rgb(88, 132, 153)  
}
```

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(88, 132, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 132, 153) }
```

Border

The CSS property to change the border of an element to XYZ 18.0255, 20.8771, 33.2166 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(88, 132, 153) }
```


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

```
.border{ border-color:rgb(88, 132, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 132, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 132, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 132, 153);  
box-shadow:4px 4px 4px 4px rgb(88, 132,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0255, 20.8771, 33.2166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 132, 153) }
```

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

```
.background{ background-color: rgb(88, 132,  
153) }
```

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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