

Converting Colors

XYZ(18.0405, 20.9772, 32.8691)

Have a look what the booklet for
XYZ(18.0405, 20.9772, 32.8691)
contains.

XYZ(17.9433, 20.8442, 32.7834)	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(17.9433, 20.8442,
32.7834)**

Conversions

Conversions Part 1

Format	Color
Hex	588498
RGB	88, 132, 152
RGB Percent	35%, 52%, 60%
CMY	0.6549, 0.4823, 0.4039
CMYK	0.42, 0.13, 0.00, 0.40
HSL	199°, 27%, 47%
HSV	199°, 42%, 60%
XYZ	17.9433, 20.8442, 32.7834
YIQ	121.1240, -32.6440, -3.1080

Conversions

Conversions Part 2

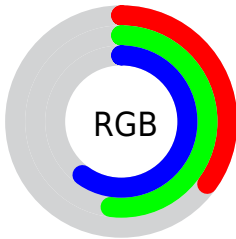
Format	Color
R _Y B	88, 114, 152
Decimal	5801112
CIE Lab	52.78, -9.63, -15.46
CIE LCh	53, 18.217, 238.091
Yxy	20.8442, 0.2507, 0.2912
Android (android.graphics.Color)	4283991192 (0xFF588498)
YUV	121.1240, 15.2219, -29.0497
Hunter-Lab	45.6554, -9.7438, -10.6150

Details

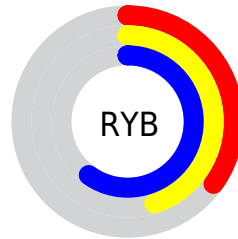
The XYZ color **17.9433, 20.8442, 32.7834** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.0735, 18.1057, 11.6701**, and the grayscale version is **18.1745, 19.1210, 20.8228**.

A 20% lighter version of the original color is **39.4740, 44.8169, 64.9625**, and **6.1698, 7.5012, 13.4346** is the 20% darker color. If you saturate the color by 10%, you get **16.0223, 18.9198, 32.5136**, and if you desaturate by 10%, it is **20.1949, 22.9836, 33.0780**.

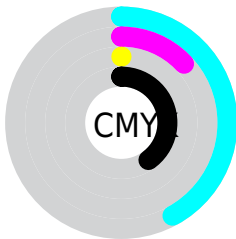
Distribution



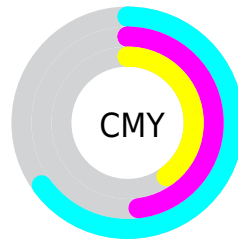
- Red (35%)
- Green (52%)
- Blue (60%)



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



- Cyan (42%)
- Magenta (13%)
- Yellow (0%)
- Black (40%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9433, 20.8442, 32.7834 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 17.9433, 20.8442, 32.7834 by changing the saturation by 10% instead.

■ 17.9433, 20.8442,
32.7834

■ 17.9433, 20.8442,
32.7834

233.6030,
256.4493, 329.2746

■ 11.0087, 13.0102,
21.6908

■ 39.4715, 44.8281,
65.1493

■ 6.1400, 7.4355,
13.4337

■ 54.7959, 61.7467,
87.2597

■ 2.9719, 3.7359,
7.5937

■ 73.6476, 82.4624,
113.8798

■ 1.1389, 1.5270,
3.7520

■ 96.3919, 107.3594,
145.4282

■ 0.0573, 0.3076,
1.4903

123.3943,
136.8222, 182.3233

■ 0.0000, 0.0000,
0.2107

155.0200,

■ 0.0000, 0.0000,

171.2352, 224.9837

0.0000

191.6345,
210.9828, 273.8280

■ 17.9433, 20.8442,
32.7834

■ 17.9433, 20.8442,
32.7834

■ 16.0223, 18.9198,
32.5136

■ 20.1949, 22.9836,
33.0780

■ 14.4109, 17.1974,
32.2661

■ 22.7928, 25.3450,
33.3969

■ 13.0883, 15.6664,
32.0402

■ 25.7538, 27.9384,
33.7414

■ 12.0303, 14.3136,
31.8349

■ 29.0932, 30.7720,
34.1124

■ 11.2085, 13.1237,
31.6485

■ 32.8251, 33.8537,
34.5105

■ 10.6685, 12.2689,
31.5120

■ 36.9632, 37.1910,
34.9366

■ 41.5202, 40.7911,
35.3913

■ 46.5084, 44.6607,
35.8753

■ 51.9396, 48.8065,
36.3892

Harmonies

Analogous

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



16.7612, 20.8442, 27.9860



17.9433, 20.8442, 32.7834



19.6904, 20.8442, 34.8372

Triad

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



17.9433, 20.8442, 32.7834



23.6908, 20.8442, 23.0460



18.1413, 20.8442, 14.6621

Complementary

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



17.9433, 20.8442, 32.7834



20.0735, 18.1057, 11.6701

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.



19.9337, 20.8442, 13.7646



17.9433, 20.8442, 32.7834



23.2117, 20.8442, 18.1182

Square

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



17.9433, 20.8442, 32.7834



23.0767, 20.8442, 28.6857



21.8057, 20.8442, 14.9241



16.8703, 20.8442, 17.6037

Rectangle

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



17.9433, 20.8442, 32.7834



20.9677, 20.8442, 34.1613



21.8057, 20.8442, 14.9241



18.6992, 20.8442, 14.1342

Sweetspot

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



17.9440, 20.8450, 32.7839



44.8232, 48.7659, 59.4840



17.9177, 25.5975, 17.9624



9.9340, 10.8637, 13.4908



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.



17.9440, 20.8450, 32.7839



28.3153, 33.4307, 57.3941



14.3270, 13.6111, 31.5782



6.2217, 6.7007, 7.8944



8.9736, 10.3439, 26.4313



0.1662, 0.2187, 0.4058

Inverse Universe

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



20.6041, 15.3215, 23.7019



33.8550, 22.9058, 38.2616



23.9725, 25.9038, 12.9697



6.3790, 6.2908, 7.3759



12.9882, 6.4495, 11.7290



0.2103, 0.1029, 0.2605

Previews

White Background



This preview shows how the XYZ color 17.9433, 20.8442, 32.7834 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 17.9433, 20.8442, 32.7834 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 17.9433, 20.8442, 32.7834

Background



This preview shows how black text looks on a background with the XYZ color 17.9433, 20.8442, 32.7834.



This preview shows how white text looks on a background with the XYZ color 17.9433, 20.8442,

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

17.9433, 20.8442, 32.7834

Protanopia

20.3593, 20.5868, 30.5044

Deuteranopia

21.0841, 20.7100, 33.4580



Tritanopia

17.2593, 20.7671, 29.4843

Trichromacy



Original Color

17.9433, 20.8442, 32.7834

Protanomaly

19.3209, 20.5999, 31.3916

Deuteranomaly

19.6410, 20.5366, 33.0658

Tritanomaly

17.5845, 20.9079, 30.7126

Monochromacy



Original Color

17.9433, 20.8442, 32.7834

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.8051, 19.5844, 24.6715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9433, 20.8442, 32.7834 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, 152) looks like.

```
.text, #text, p{  
    color:rgb(88, 132, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 132, 152) }
```

Border

The CSS property to change the border of an element to XYZ 17.9433, 20.8442, 32.7834 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, 152) }
```


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

```
.border{ border-color:rgb(88, 132, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 132, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 132, 152);  
box-shadow:4px 4px 4px 4px rgb(88, 132,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9433, 20.8442, 32.7834 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, 152) }
```

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

```
.background{ background-color: rgb(88, 132,  
152) }
```

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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