

Converting Colors

XYZ(17.3505, 20.6452, 33.2074)

Have a look what the booklet for
XYZ(17.3505, 20.6452, 33.2074)
contains.

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Color

**XYZ(17.4456, 20.7804,
33.2285)**

Conversions

Conversions Part 1

Format	Color
Hex	508599
RGB	80, 133, 153
RGB Percent	31%, 52%, 60%
CMY	0.6863, 0.4784, 0.4000
CMYK	0.48, 0.13, 0.00, 0.40
HSL	196°, 31%, 46%
HSV	196°, 48%, 60%
XYZ	17.4456, 20.7804, 33.2285
YIQ	119.4330, -38.0080, -5.0160

Conversions

Conversions Part 2

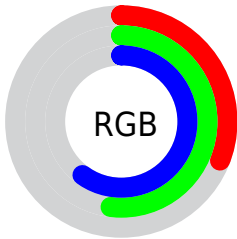
Format	Color
R_{YB}	80, 111, 153
Decimal	5277081
CIE _{Lab}	52.71, -12.00, -16.19
CIE _{LCh}	53, 20.154, 233.446
Yxy	20.7804, 0.2441, 0.2908
Android (android.graphics.Color)	4283467161 (0xFF508599)
YUV	119.4330, 16.5485, -34.5827
Hunter-Lab	45.5855, -11.4626, -11.3082

Details

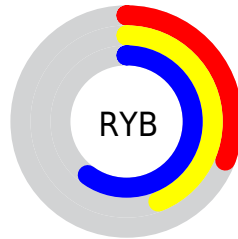
The XYZ color **17.4456, 20.7804, 33.2285** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.1426, 16.4666, 9.7597**, and the grayscale version is **17.6302, 18.5483, 20.1992**.

A 20% lighter version of the original color is **38.4943, 44.6094, 65.6131**, and **5.8682, 7.3400, 13.6778** is the 20% darker color. If you saturate the color by 10%, you get **15.7356, 19.0642, 32.9878**, and if you desaturate by 10%, it is **19.4741, 22.6956, 33.4916**.

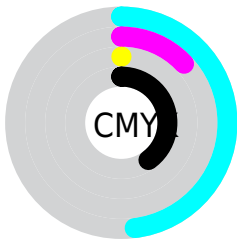
Distribution



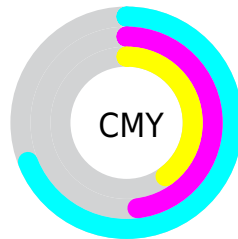
- Red (31%)
- Green (52%)
- Blue (60%)



- Red (31%)
- Yellow (44%)
- Blue (60%)



- Cyan (48%)
- Magenta (13%)
- Yellow (0%)
- Black (40%)



- Cyan (69%)
- Magenta (48%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4456, 20.7804, 33.2285 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 17.4456, 20.7804, 33.2285 by changing the saturation by 10% instead.

■ 17.4456, 20.7804,
33.2285

■ 17.4456, 20.7804,
33.2285

230.8338,
256.1091, 331.3416

■ 10.6500, 12.9636,
22.0290

■ 38.6279, 44.7218,
65.8522

■ 5.8975, 7.4035,
13.6797

■ 53.7452, 61.6151,
88.1135

■ 2.8229, 3.7157,
7.7620

■ 72.3672, 82.3027,
114.8992

■ 1.0608, 1.5158,
3.8575

■ 94.8592, 107.1691,
146.6277

■ 0.0000, 0.2998,
1.5475

■ 121.5864,
136.5985, 183.7177

■ 0.0000, 0.0000,
0.2529

152.9144,

■ 0.0000, 0.0000,

170.9754, 226.5877

0.0000

189.2084,
210.6841, 275.6561

■ 17.4456, 20.7804,
33.2285

■ 17.4456, 20.7804,
33.2285

■ 15.7356, 19.0642,
32.9878

■ 19.4741, 22.6956,
33.4916

■ 14.3214, 17.5338,
32.7669

■ 21.8375, 24.8175,
33.7766

■ 13.1809, 16.1776,
32.5652

■ 24.5538, 27.1560,
34.0848

■ 12.2871, 14.9814,
32.3814

■ 27.6387, 29.7196,
34.4171

■ 11.5926, 13.9204,
32.2133

■ 31.1071, 32.5166,
34.7741

■ 11.4434, 13.6870,
32.1761

■ 34.9731, 35.5543,
35.1567

■ 39.2501, 38.8401,
35.5655

■ 43.9505, 42.3808,
36.0012

■ 49.0867, 46.1830,
36.4644

Harmonies

Analogous

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



16.2779, 20.7804, 27.5392



17.4456, 20.7804, 33.2285



19.2945, 20.7804, 36.1474

Triad

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



17.4456, 20.7804, 33.2285



24.0340, 20.7804, 23.9702



18.1898, 20.7804, 13.5992

Complementary

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



17.4456, 20.7804, 33.2285



19.1426, 16.4666, 9.7597

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.



20.2150, 20.7804, 12.9834



17.4456, 20.7804, 33.2285



23.6863, 20.7804, 18.3355

Square

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



17.4456, 20.7804, 33.2285



23.1706, 20.7804, 30.2247



22.2514, 20.7804, 14.5597



16.6859, 20.7804, 16.4218

Rectangle

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



17.4456, 20.7804, 33.2285



20.7037, 20.7804, 35.8190



22.2514, 20.7804, 14.5597



18.8283, 20.7804, 13.1506

Sweetspot

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



17.4463, 20.7812, 33.2290



45.7935, 50.1628, 61.2408



16.9747, 25.3983, 15.9302



9.8767, 10.8795, 13.4969



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.



17.4463, 20.7812, 33.2290



28.0645, 34.0209, 59.0595



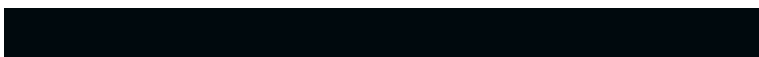
13.3366, 12.5618, 31.8591



6.2414, 6.7402, 7.9010



9.4864, 11.3694, 26.6022



0.1715, 0.2294, 0.4076

Inverse Universe

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



20.2398, 14.2038, 23.8659



33.8697, 21.5299, 39.3379



23.3848, 24.9510, 11.1738



6.3890, 6.2947, 7.4285



13.2470, 6.5530, 13.0918



0.2130, 0.1040, 0.2747

Previews

White Background



This preview shows how the XYZ color 17.4456, 20.7804, 33.2285 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 17.4456, 20.7804, 33.2285 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 17.4456, 20.7804, 33.2285

Background



This preview shows how black text looks on a background with the XYZ color 17.4456, 20.7804, 33.2285.



This preview shows how white text looks on a background with the XYZ color 17.4456, 20.7804,

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

17.4456, 20.7804, 33.2285

Protanopia

20.3593, 20.5868, 30.5044

Deuteranopia

21.0254, 20.6701, 33.8919



Tritanopia

16.7778, 20.7142, 29.9020

Trichromacy



Original Color

17.4456, 20.7804, 33.2285

Protanomaly

18.9580, 20.4128, 31.3746

Deuteranomaly

19.4855, 20.6376, 33.5283

Tritanomaly

17.0948, 20.8506, 31.1405

Monochromacy



Original Color

17.4456, 20.7804, 33.2285

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.1301, 19.0573, 24.2483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4456, 20.7804, 33.2285 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(80, 133, 153)` looks like.

```
.text, #text, p{  
    color:rgb(80, 133, 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(80, 133, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 133, 153) }
```

Border

The CSS property to change the border of an element to XYZ 17.4456, 20.7804, 33.2285 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(80, 133, 153) }
```


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

```
.border{ border-color:rgb(80, 133, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 133, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 133, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 133, 153);  
box-shadow:4px 4px 4px 4px rgb(80, 133,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4456, 20.7804, 33.2285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 133, 153) }
```

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

```
.background{ background-color: rgb(80, 133,  
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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