

Converting Colors

XYZ(17.8245, 20.5182, 26.8025)

Have a look what the booklet for
XYZ(17.8245, 20.5182, 26.8025)
contains.

XYZ(17.7535, 20.4807, 26.6844)	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(17.7535, 20.4807,
26.6844)**

Conversions

Conversions Part 1

Format	Color
Hex	648289
RGB	100, 130, 137
RGB Percent	39%, 51%, 54%
CMY	0.6078, 0.4902, 0.4627
CMYK	0.27, 0.05, 0.00, 0.46
HSL	191°, 16%, 46%
HSV	191°, 27%, 54%
XYZ	17.7535, 20.4807, 26.6844
YIQ	121.8280, -20.1270, -4.1830

Conversions

Conversions Part 2

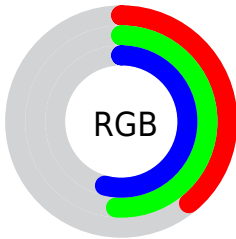
Format	Color
R_{YB}	100, 117, 137
Decimal	6587017
CIE Lab	52.38, -8.91, -7.27
CIE LCh	52, 11.499, 219.205
Yxy	20.4807, 0.2735, 0.3155
Android (android.graphics.Color)	4284777097 (0xFF648289)
YUV	121.8280, 7.4798, -19.1432
Hunter-Lab	45.2556, -9.1728, -3.2807

Details

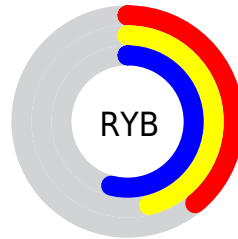
The XYZ color **17.7535, 20.4807, 26.6844** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.8747, 16.7540, 14.3488**, and the grayscale version is **18.4241, 19.3836, 21.1088**.

A 20% lighter version of the original color is **39.1766, 44.2601, 55.1934**, and **6.0789, 7.3030, 10.1061** is the 20% darker color. If you saturate the color by 10%, you get **16.0236, 19.0841, 26.5063**, and if you desaturate by 10%, it is **19.7482, 22.0277, 26.8782**.

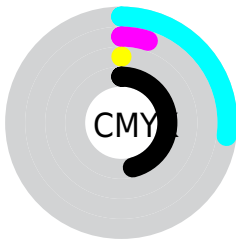
Distribution



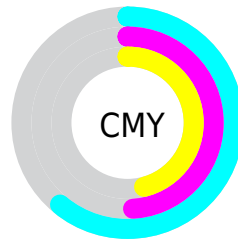
- Red (39%)
- Green (51%)
- Blue (54%)



- Red (39%)
- Yellow (46%)
- Blue (54%)



- Cyan (27%)
- Magenta (5%)
- Yellow (0%)
- Black (46%)



- Cyan (61%)
- Magenta (49%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7535, 20.4807, 26.6844 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 17.7535, 20.4807, 26.6844 by changing the saturation by 10% instead.

■ 17.7535, 20.4807,
26.6844

■ 17.7535, 20.4807,
26.6844

232.5505,
254.5057, 299.8375

■ 10.8718, 12.7449,
17.1060

■ 39.1502, 44.2217,
55.3746

■ 6.0473, 7.2532,
10.1473

■ 54.3959, 60.9956,
75.3234

■ 2.9148, 3.6209,
5.3899

■ 73.1604, 81.5512,
99.5662

■ 1.1089, 1.4639,
2.4151

■ 95.8088, 106.2726,
128.5214

■ 0.0325, 0.2631,
0.7946

122.7067,
135.5444, 162.6076

■ 0.0000, 0.0000,
0.0000

154.2194,

169.7509, 202.2433

190.7122,
209.2765, 247.8471

■ 17.7535, 20.4807,
26.6844

■ 17.7535, 20.4807,
26.6844

■ 16.0236, 19.0841,
26.5063

■ 19.7482, 22.0277,
26.8782

■ 14.5438, 17.8288,
26.3420

■ 22.0177, 23.7288,
27.0869

■ 13.3008, 16.7082,
26.1913

■ 24.5738, 25.5908,
27.3116

■ 12.2794, 15.7144,
26.0533

■ 27.4270, 27.6191,
27.5527

■ 11.4623, 14.8385,
25.9273

■ 30.5874, 29.8190,
27.8108

■ 10.8299, 14.0702,
25.8123

■ 34.0644, 32.1955,
28.0862

■ 10.3458, 13.3907,
25.7067

■ 37.8672, 34.7533,
28.3795

■ 10.2094, 13.1941,
25.6759

■ 42.0045, 37.4971,
28.6911

■ 46.4847, 40.4313,
29.0213

Harmonies

Analogous

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



17.3026, 20.4807, 23.3603



17.7535, 20.4807, 26.6844



18.6685, 20.4807, 28.9738

Triad

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



17.7535, 20.4807, 26.6844



21.6751, 20.4807, 24.6979



19.1041, 20.4807, 16.4587

Complementary

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



17.7535, 20.4807, 26.6844



17.8747, 16.7540, 14.3488

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.



20.2865, 20.4807, 16.7388



17.7535, 20.4807, 26.6844



21.8033, 20.4807, 21.2723

Square

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



17.7535, 20.4807, 26.6844



20.9424, 20.4807, 27.7485



21.2858, 20.4807, 18.4243



18.0612, 20.4807, 17.6159

Rectangle

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



17.7535, 20.4807, 26.6844



19.4347, 20.4807, 29.4821



21.2858, 20.4807, 18.4243



19.4979, 20.4807, 16.3907

Sweetspot

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



17.7541, 20.4815, 26.6849



38.9274, 42.1223, 48.4619



16.8441, 21.6580, 17.1433



8.6033, 9.3529, 10.8582



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.



17.7541, 20.4815, 26.6849



29.9712, 35.2200, 47.6017



15.5343, 16.0418, 25.9449



5.0938, 5.5306, 6.4049



9.5180, 12.3063, 23.9194



0.0728, 0.1009, 0.1621

Inverse Universe

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



18.9035, 16.0449, 23.2206



32.3982, 26.1073, 40.2290



19.9867, 20.9780, 15.0528



5.1940, 5.1130, 6.1099



12.2910, 6.0265, 14.5688



0.0865, 0.0420, 0.1223

Previews

White Background



This preview shows how the XYZ color 17.7535, 20.4807, 26.6844 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 17.7535, 20.4807, 26.6844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

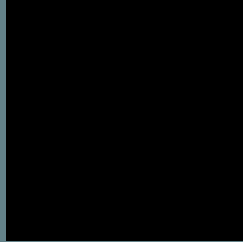
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.7535, 20.4807, 26.6844

Background



This preview shows how black text looks on a background with the XYZ color 17.7535, 20.4807, 26.6844.



This preview shows how white text looks on a background with the XYZ color 17.7535, 20.4807,

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

17.7535, 20.4807, 26.6844

Protanopia

19.7535, 20.3938, 25.0856

Deuteranopia

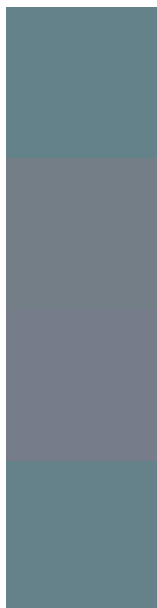
20.7035, 20.2847, 27.2502



Tritanopia

18.0831, 20.6254, 27.8390

Trichromacy



Original Color

17.7535, 20.4807, 26.6844

Protanomaly

18.8342, 20.2878, 25.4775

Deuteranomaly

19.4028, 20.1722, 26.9157

Tritanomaly

18.0097, 20.5960, 27.4523

Monochromacy



Original Color

17.7535, 20.4807, 26.6844

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.1038, 19.7769, 22.9418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7535, 20.4807, 26.6844 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, 130, 137)` looks like.

```
.text, #text, p{  
    color:rgb(100, 130, 137)  
}
```

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, 130, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 130, 137) }
```

Border

The CSS property to change the border of an element to XYZ 17.7535, 20.4807, 26.6844 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, 130, 137) }
```


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

```
.border{ border-color:rgb(100, 130, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 130, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 130, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 130, 137);  
box-shadow:4px 4px 4px 4px rgb(100, 130,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7535, 20.4807, 26.6844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 130, 137) }
```

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

```
.background{ background-color: rgb(100,  
130, 137) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor