

Converting Colors

XYZ(17.5875, 20.3016, 8.8066)

Have a look what the booklet for
XYZ(17.5875, 20.3016, 8.8066)
contains.

XYZ(17.5771, 20.3926, 8.8041)	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(17.5771, 20.3926,
8.8041)**

Conversions

Conversions Part 1

Format	Color
Hex	7F8046
RGB	127, 128, 70
RGB Percent	50%, 50%, 27%
CMY	0.5020, 0.4980, 0.7255
CMYK	0.01, 0.00, 0.45, 0.50
HSL	61°, 29%, 39%
HSV	61°, 45%, 50%
XYZ	17.5771, 20.3926, 8.8041
YIQ	121.0890, 18.0220, -18.2500

Conversions

Conversions Part 2

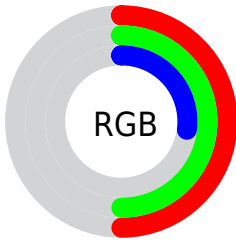
Format	Color
RYB	70, 128, 71
Decimal	8355910
CIELab	52.28, -9.44, 31.24
CIELCh	52, 32.631, 106.811
Yxy	20.3926, 0.3758, 0.4360
Android (android.graphics.Color)	4286545990 (0xFF7F8046)
YUV	121.0890, -25.1869, 5.1839
Hunter-Lab	45.1582, -9.5485, 20.0515

Details

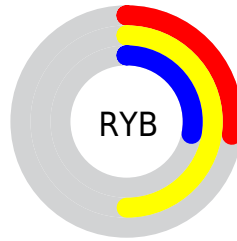
The XYZ color **17.5771, 20.3926, 8.8041** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.6857, 7.2789, 21.3705**, and the grayscale version is **18.2780, 19.2299, 20.9414**.

A 20% lighter version of the original color is **38.9701, 44.2276, 24.2521**, and **5.9311, 7.1903, 1.8859** is the 20% darker color. If you saturate the color by 10%, you get **17.1827, 20.2317, 6.8968**, and if you desaturate by 10%, it is **18.0588, 20.5898, 11.1660**.

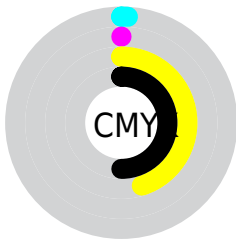
Distribution



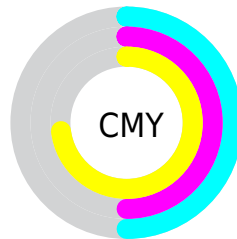
- Red (50%)
- Green (50%)
- Blue (27%)



- Red (27%)
- Yellow (50%)
- Blue (28%)



- Cyan (1%)
- Magenta (0%)
- Yellow (45%)
- Black (50%)



- Cyan (50%)
- Magenta (50%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5771, 20.3926, 8.8041 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 17.5771, 20.3926, 8.8041 by changing the saturation by 10% instead.

■ 17.5771, 20.3926,
8.8041

■ 17.5771, 20.3926,
8.8041

231.5684,
254.0326, 192.0736

■ 10.7446, 12.6807,
4.5186

■ 38.8511, 44.0744,
24.0920

■ 5.9614, 7.2091,
1.9139

■ 54.0234, 60.8132,
35.9315

■ 2.8621, 3.5932,
0.5016

■ 72.7064, 81.3297,
51.1261

■ 1.0812, 1.4487,
0.0000

■ 95.2653, 106.0084,
70.0942

■ 0.0093, 0.2522,
0.0000

■ 122.0657,
135.2337, 93.2545

■ 0.0000, 0.0000,
0.0000

153.4727,

169.3898, 121.0255

189.8519,
208.8614, 153.8257

■ 17.5771, 20.3926,
8.8041

■ 17.5771, 20.3926,
8.8041

■ 17.1827, 20.2317,
6.8968

■ 18.0588, 20.5898,
11.1660

■ 16.8684, 20.1023,
5.4136

■ 18.6312, 20.8226,
14.0078

■ 16.6287, 20.0026,
4.3227

■ 19.2996, 21.0938,
17.3543

■ 16.4565, 19.9299,
3.5867

■ 20.0682, 21.4051,
21.2284

■ 16.3409, 19.8799,
3.1482

■ 20.9412, 21.7581,
25.6515

■ 16.2927, 19.8589,
2.9744

■ 21.9223, 22.1544,
30.6439

■ 23.0153, 22.5955,
36.2247

■ 24.2236, 23.0827,
42.4124

■ 25.5505, 23.6173,
49.2243

Harmonies

Analogous

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



20.8911, 20.3926, 8.6421



17.5771, 20.3926, 8.8041



15.0517, 20.3926, 11.8128

Triad

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



17.5771, 20.3926, 8.8041



15.2964, 20.3926, 38.5703



26.3617, 20.3926, 26.6891

Complementary

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



17.5771, 20.3926, 8.8041



8.6857, 7.2789, 21.3705

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.



24.4734, 20.3926, 37.3902



17.5771, 20.3926, 8.8041



17.9484, 20.3926, 45.4693

Square

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



17.5771, 20.3926, 8.8041



13.8428, 20.3926, 27.9837



21.3076, 20.3926, 44.9840



26.2324, 20.3926, 17.2806

Rectangle

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



17.5771, 20.3926, 8.8041



14.0397, 20.3926, 15.6982



21.3076, 20.3926, 44.9840



25.9334, 20.3926, 30.2971

Sweetspot

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



17.5776, 20.3935, 8.8045



34.1040, 37.1878, 31.1867



12.2594, 9.5341, 6.9887



7.9300, 8.6845, 7.0270



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



17.5776, 20.3935, 8.8045



30.2553, 35.6208, 12.1631



13.8661, 18.4802, 8.6308



4.6582, 5.0158, 4.6428



16.1546, 19.6904, 2.9492



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.6857, 7.2789, 21.3705



12.5864, 9.5577, 37.1377



11.3389, 8.6467, 21.4947



4.1152, 4.2150, 5.4100



3.8911, 1.5596, 20.3459



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.5771, 20.3926, 8.8041 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 17.5771, 20.3926, 8.8041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

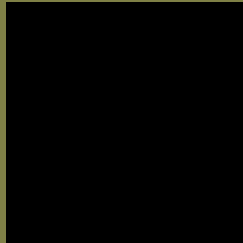
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.5771, 20.3926, 8.8041

Background



This preview shows how black text looks on a background with the XYZ color 17.5771, 20.3926, 8.8041.



This preview shows how white text looks on a background with the XYZ color 17.5771, 20.3926,

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

17.5771, 20.3926, 8.8041

Protanopia

18.7243, 20.4153, 8.5839

Deuteranopia

20.7154, 20.3369, 8.9645



Tritanopia

20.7656, 20.3818, 24.3123

Trichromacy



Original Color

17.5771, 20.3926, 8.8041

Protanomaly

18.2079, 20.3379, 8.5962

Deuteranomaly

19.4246, 20.2136, 8.8391

Tritanomaly

19.3280, 20.3447, 17.3762

Monochromacy



Original Color

17.5771, 20.3926, 8.8041

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.7743, 19.5856, 15.4140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5771, 20.3926, 8.8041 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(127, 128, 70)` looks like.

```
.text, #text, p{  
    color:rgb(127, 128, 70)  
}
```

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(127, 128, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 128, 70) }
```

Border

The CSS property to change the border of an element to XYZ 17.5771, 20.3926, 8.8041 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(127, 128, 70) }
```


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

```
.border{ border-color:rgb(127, 128, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 128, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 128, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 128, 70);  
box-shadow:4px 4px 4px 4px rgb(127, 128,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5771, 20.3926, 8.8041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 128, 70) }
```

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

```
.background{ background-color: rgb(127,  
128, 70) }
```

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