

Converting Colors

XYZ(17.7754, 22.3262, 8.6024)

Have a look what the booklet for
XYZ(17.7754, 22.3262, 8.6024)
contains.

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Color

**XYZ(17.8142, 22.3496,
8.5293)**

Conversions

Conversions Part 1

Format	Color
Hex	798942
RGB	121, 137, 66
RGB Percent	47%, 54%, 26%
CMY	0.5255, 0.4627, 0.7412
CMYK	0.12, 0.00, 0.52, 0.46
HSL	74°, 35%, 40%
HSV	74°, 52%, 54%
XYZ	17.8142, 22.3496, 8.5293
YIQ	124.1220, 13.2550, -25.4730

Conversions

Conversions Part 2

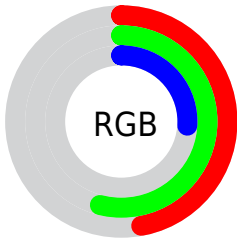
Format	Color
RYB	66, 137, 82
Decimal	7964994
CIELab	54.40, -17.29, 35.80
CIELCh	54, 39.754, 115.781
Yxy	22.3496, 0.3658, 0.4590
Android (android.graphics.Color)	4286155074 (0xFF798942)
YUV	124.1220, -28.6541, -2.7380
Hunter-Lab	47.2754, -15.4699, 22.3958

Details

The XYZ color **17.8142, 22.3496, 8.5293** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.9441, 7.4970, 24.5911**, and the grayscale version is **19.2888, 20.2934, 22.0995**.

A 20% lighter version of the original color is **39.2450, 47.2018, 23.5654**, and **6.0432, 8.1622, 1.8292** is the 20% darker color. If you saturate the color by 10%, you get **17.0321, 21.9883, 6.6311**, and if you desaturate by 10%, it is **18.7081, 22.7587, 10.9388**.

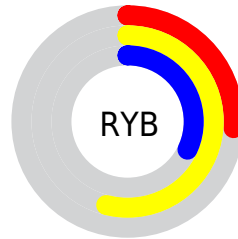
Distribution



Red (47%)

Green (54%)

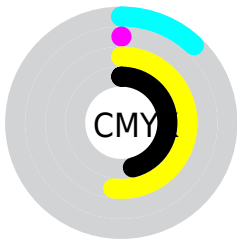
Blue (26%)



Red (26%)

Yellow (54%)

Blue (32%)

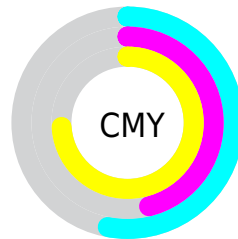


Cyan (12%)

Magenta (0%)

Yellow (52%)

Black (46%)



Cyan (53%)

Magenta (46%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8142, 22.3496, 8.5293 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 17.8142, 22.3496, 8.5293 by changing the saturation by 10% instead.

■ 17.8142, 22.3496,
8.5293

■ 17.8142, 22.3496,
8.5293

232.8876,
264.3666, 189.9135

■ 10.9156, 14.1140,
4.3429

■ 39.2530, 47.3231,
23.5528

■ 6.0770, 8.2000,
1.8153

■ 54.5239, 64.8299,
35.2270

■ 2.9330, 4.2232,
0.4380

■ 73.3163, 86.1958,
50.2341

■ 1.1184, 1.7992,
0.0000

■ 95.9955, 111.8052,
68.9928

■ 0.0405, 0.4867,
0.0000

■ 122.9269,
142.0426, 91.9215

■ 0.0000, 0.0000,
0.0000

154.4758,

177.2924, 119.4388

191.0076,
217.9389, 151.9633

■ 17.8142, 22.3496,
8.5293

■ 17.8142, 22.3496,
8.5293

■ 17.0321, 21.9883,
6.6311

■ 18.7081, 22.7587,
10.9388

■ 16.3529, 21.6691,
5.2057

■ 19.7185, 23.2153,
13.8915

■ 15.7691, 21.3895,
4.2116

■ 20.8519, 23.7227,
17.4184

■ 15.2712, 21.1458,
3.5994

■ 22.1138, 24.2832,
21.5477

■ 14.9047, 20.9640,
3.2609

■ 23.5094, 24.8988,
26.3059

■ 25.0435, 25.5714,
31.7177

■ 26.7206, 26.3029,
37.8066

■ 28.5451, 27.0952,
44.5951

■ 30.5211, 27.9497,
52.1043

Harmonies

Analogous

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



21.8628, 22.3496, 7.4293



17.8142, 22.3496, 8.5293



15.0595, 22.3496, 13.2127

Triad

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



17.8142, 22.3496, 8.5293



16.8848, 22.3496, 49.9463



30.7047, 22.3496, 26.1368

Complementary

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



17.8142, 22.3496, 8.5293



9.9441, 7.4970, 24.5911

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.



28.9216, 22.3496, 40.4109



17.8142, 22.3496, 8.5293



20.6343, 22.3496, 56.8200

Square

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



17.8142, 22.3496, 8.5293



14.5764, 22.3496, 36.2870



25.0849, 22.3496, 52.8416



29.6828, 22.3496, 15.3460

Rectangle

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



17.8142, 22.3496, 8.5293



14.1334, 22.3496, 18.9214



25.0849, 22.3496, 52.8416



30.4076, 22.3496, 30.6935

Sweetspot

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



17.8147, 22.3506, 8.5298



38.5473, 43.0180, 35.1005



14.2717, 11.6544, 6.6519



8.5578, 9.6095, 7.5848



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.



17.8147, 22.3506, 8.5298



30.3002, 39.2819, 11.4269



13.7783, 20.2698, 8.3409



5.3227, 5.7891, 5.3893



13.8935, 19.5323, 3.0379



0.1048, 0.1362, 0.0208

Inverse Universe

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



9.9441, 7.4970, 24.5911



14.6345, 9.6636, 43.4771



13.7848, 9.4770, 24.7709



4.8733, 4.9431, 6.3031



4.7382, 1.9567, 22.1736



0.0423, 0.0186, 0.1478

Previews

White Background



This preview shows how the XYZ color 17.8142, 22.3496, 8.5293 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 17.8142, 22.3496, 8.5293 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 17.8142, 22.3496, 8.5293

Background



This preview shows how black text looks on a background with the XYZ color 17.8142, 22.3496, 8.5293.



This preview shows how white text looks on a background with the XYZ color 17.8142, 22.3496,

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

17.8142, 22.3496, 8.5293

Protanopia

20.4096, 22.2647, 8.0723

Deuteranopia

22.5799, 22.2159, 8.7282



Tritanopia

21.7164, 22.3104, 27.5879

Trichromacy



Original Color

17.8142, 22.3496, 8.5293

Protanomaly

19.4950, 22.3910, 8.2954

Deuteranomaly

20.5707, 22.1376, 8.6576

Tritanomaly

19.9283, 22.1844, 18.5609

Monochromacy



Original Color

17.8142, 22.3496, 8.5293

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.4668, 20.8907, 15.8910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8142, 22.3496, 8.5293 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(121, 137, 66)` looks like.

```
.text, #text, p{  
    color:rgb(121, 137, 66)  
}
```

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(121, 137, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 137, 66) }
```

Border

The CSS property to change the border of an element to XYZ 17.8142, 22.3496, 8.5293 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(121, 137, 66) }
```


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

```
.border{ border-color:rgb(121, 137, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 137, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 137, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 137, 66);  
box-shadow:4px 4px 4px 4px rgb(121, 137,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8142, 22.3496, 8.5293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 137, 66) }
```

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

```
.background{ background-color: rgb(121,  
137, 66) }
```

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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