

Converting Colors

XYZ(11.7700, 18.0517, 8.2737)

Have a look what the booklet for
XYZ(11.7700, 18.0517, 8.2737)
contains.

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Color

**XYZ(11.7582, 17.9895,
8.3214)**

Conversions

Conversions Part 1

Format	Color
Hex	478344
RGB	71, 131, 68
RGB Percent	28%, 51%, 27%
CMY	0.7216, 0.4863, 0.7333
CMYK	0.46, 0.00, 0.48, 0.49
HSL	117°, 32%, 39%
HSV	117°, 48%, 51%
XYZ	11.7582, 17.9895, 8.3214
YIQ	105.8780, -15.5370, -32.3130

Conversions

Conversions Part 2

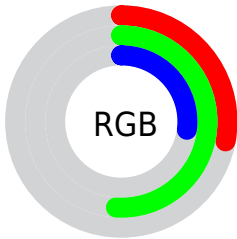
Format	Color
RYB	68, 131, 128
Decimal	4686660
CIELab	49.48, -33.12, 28.03
CIELCh	49, 43.387, 139.759
Yxy	17.9895, 0.3089, 0.4725
Android (android.graphics.Color)	4282876740 (0xFF478344)
YUV	105.8780, -18.6739, -30.5880
Hunter-Lab	42.4140, -24.7400, 18.0574

Details

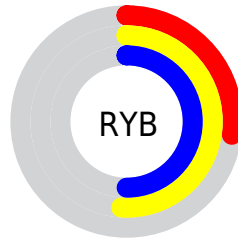
The XYZ color **11.7582, 17.9895, 8.3214** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.0667, 10.3626, 22.6797**, and the grayscale version is **13.7191, 14.4336, 15.7181**.

A 20% lighter version of the original color is **28.7282, 40.1932, 23.0736**, and **3.3009, 6.0529, 1.7534** is the 20% darker color. If you saturate the color by 10%, you get **10.5794, 17.4235, 6.4075**, and if you desaturate by 10%, it is **13.2152, 18.6897, 10.7155**.

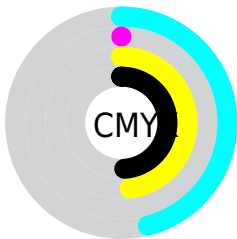
Distribution



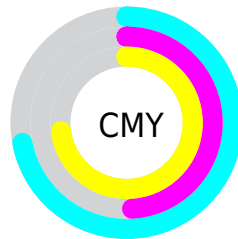
- Red (28%)
- Green (51%)
- Blue (27%)



- Red (27%)
- Yellow (51%)
- Blue (50%)



- Cyan (46%)
- Magenta (0%)
- Yellow (48%)
- Black (49%)



- Cyan (72%)
- Magenta (49%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7582, 17.9895, 8.3214 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 11.7582, 17.9895, 8.3214 by changing the saturation by 10% instead.

■ 11.7582, 17.9895,
8.3214

■ 11.7582, 17.9895,
8.3214

196.6007,
240.8119, 188.2594

■ 6.6503, 10.9424,
4.2106

■ 28.6746, 40.0194,
23.1426

■ 3.2887, 6.0281,
1.7416

■ 41.2139, 55.7711,
34.6901

■ 1.3082, 2.8622,
0.3890

■ 56.9609, 75.1931,
49.5536

■ 0.1894, 1.0602,
0.0000

■ 76.2811, 98.6698,
68.1516

■ 0.0000, 0.0000,
0.0000

■ 99.5398, 126.5857,
90.9026

127.1024,

159.3250, 118.2252

159.3342,
197.2723, 150.5379

■ 11.7582, 17.9895,
8.3214

■ 11.7582, 17.9895,
8.3214

■ 10.5794, 17.4235,
6.4075

■ 13.2152, 18.6897,
10.7155

■ 9.6598, 16.9810,
4.9404

■ 14.9651, 19.5293,
13.6181

■ 8.9803, 16.6533,
3.8842


■ 17.0232, 20.5164,
17.0563


■ 8.5185, 16.4300,
3.1970


■ 19.4034, 21.6574,
21.0553


■ 8.2382, 16.2944,
2.7827


■ 22.1187, 22.9585,
25.6385

 8.1947, 16.2735,
2.7092

 25.1812, 24.4256,
30.8281

 28.6028, 26.0643,
36.6451

 32.3944, 27.8798,
43.1095

 36.5669, 29.8772,
50.2403

Harmonies

Analogous

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



14.5689, 17.9895, 5.0948



11.7582, 17.9895, 8.3214



10.4537, 17.9895, 15.8409

Triad

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



11.7582, 17.9895, 8.3214



15.7346, 17.9895, 51.2729



25.6445, 17.9895, 12.9021

Complementary

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



11.7582, 17.9895, 8.3214



15.0667, 10.3626, 22.6797

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.



26.0908, 17.9895, 23.8827



11.7582, 17.9895, 8.3214



19.9051, 17.9895, 49.4527

Square

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



11.7582, 17.9895, 8.3214



12.4939, 17.9895, 42.3762



23.8513, 17.9895, 38.0966



22.7147, 17.9895, 6.9120

Rectangle

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



11.7582, 17.9895, 8.3214



10.4454, 17.9895, 23.6702



23.8513, 17.9895, 38.0966



26.1060, 17.9895, 16.0035

Sweetspot

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



11.7586, 17.9903, 8.3218



32.0210, 37.4760, 33.1213



18.1038, 20.6427, 8.4994



7.2745, 8.6386, 7.4082



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.7586, 17.9903, 8.3218



18.7147, 31.0899, 11.1040



12.6282, 18.3133, 14.0207



4.6353, 5.2146, 4.9916



8.0668, 16.0185, 2.6667



0.0292, 0.0561, 0.0093

Inverse Universe

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



15.0667, 10.3626, 22.6797



25.3918, 15.6593, 40.1374



13.8584, 9.9322, 13.9273



4.8366, 4.7519, 5.8630



12.3244, 5.8876, 21.6236



0.0444, 0.0213, 0.0750

Previews

White Background



This preview shows how the XYZ color 11.7582, 17.9895, 8.3214 looks on a white 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

Black Background



This preview shows how the XYZ color 11.7582, 17.9895, 8.3214 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 11.7582, 17.9895, 8.3214

Background



This preview shows how black text looks on a background with the XYZ color 11.7582, 17.9895, 8.3214.



This preview shows how white text looks on a background with the XYZ color 11.7582, 17.9895,

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

11.7582, 17.9895, 8.3214

Protanopia

16.3118, 17.7486, 7.2687

Deuteranopia

17.9813, 17.7321, 8.7783



Tritanopia

15.1669, 18.0214, 25.2333

Trichromacy



Original Color

11.7582, 17.9895, 8.3214

Protanomaly

14.0980, 17.4889, 7.6337

Deuteranomaly

14.9366, 17.3616, 8.5251

Tritanomaly

13.6283, 17.9668, 17.5015

Monochromacy



Original Color

11.7582, 17.9895, 8.3214

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.5767, 15.3613, 12.4274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7582, 17.9895, 8.3214 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(71, 131, 68)` looks like.

```
.text, #text, p{  
    color:rgb(71, 131, 68)  
}
```

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(71, 131, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 131, 68) }
```

Border

The CSS property to change the border of an element to XYZ 11.7582, 17.9895, 8.3214 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(71, 131, 68) }
```


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

```
.border{ border-color:rgb(71, 131, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 131, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 131, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 131, 68);  
box-shadow:4px 4px 4px 4px rgb(71, 131,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7582, 17.9895, 8.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 131, 68) }
```

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

```
.background{ background-color: rgb(71, 131,  
68) }
```

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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