

Converting Colors

XYZ(11.6207, 17.4940, 8.1977)

Have a look what the booklet for
XYZ(11.6207, 17.4940, 8.1977)
contains.

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Color

**XYZ(11.6413, 17.5343,
8.2397)**

Conversions

Conversions Part 1

Format	Color
Hex	498144
RGB	73, 129, 68
RGB Percent	29%, 51%, 27%
CMY	0.7137, 0.4941, 0.7333
CMYK	0.43, 0.00, 0.47, 0.49
HSL	115°, 31%, 39%
HSV	115°, 47%, 51%
XYZ	11.6413, 17.5343, 8.2397
YIQ	105.3020, -13.7950, -30.8430

Conversions

Conversions Part 2

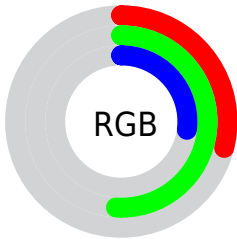
Format	Color
RYB	68, 129, 124
Decimal	4817220
CIELab	48.93, -31.55, 27.35
CIELCh	49, 41.749, 139.079
Yxy	17.5343, 0.3111, 0.4686
Android (android.graphics.Color)	4283007300 (0xFF498144)
YUV	105.3020, -18.3899, -28.3289
Hunter-Lab	41.8740, -23.6550, 17.6451

Details

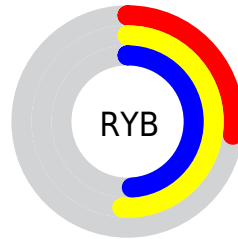
The XYZ color **11.6413, 17.5343, 8.2397** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **14.3424, 10.0048, 21.9449**, and the grayscale version is **13.5606, 14.2668, 15.5366**.

A 20% lighter version of the original color is **28.3963, 39.1002, 22.8801**, and **3.2293, 5.7986, 1.7081** is the 20% darker color. If you saturate the color by 10%, you get **10.4768, 16.9751, 6.3515**, and if you desaturate by 10%, it is **13.0643, 18.2178, 10.5931**.

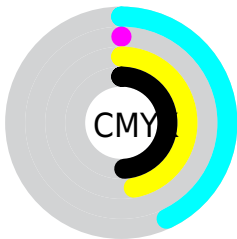
Distribution



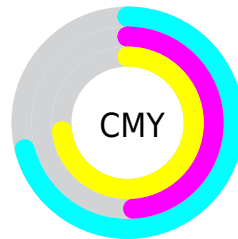
- Red (29%)
- Green (51%)
- Blue (27%)



- Red (27%)
- Yellow (51%)
- Blue (49%)



- Cyan (43%)
- Magenta (0%)
- Yellow (47%)
- Black (49%)



- Cyan (71%)
- Magenta (49%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6413, 17.5343, 8.2397 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 11.6413, 17.5343, 8.2397 by changing the saturation by 10% instead.

■ 11.6413, 17.5343,
8.2397

■ 11.6413, 17.5343,
8.2397

195.8347,
238.2329, 187.6044

■ 6.5704, 10.6162,
4.1587

■ 28.4627, 39.2422,
22.9809

■ 3.2388, 5.8094,
1.7128

■ 40.9438, 54.8007,
34.4782

■ 1.2813, 2.7295,
0.3695

■ 56.6258, 74.0081,
49.2848

■ 0.1691, 0.9922,
0.0000

■ 75.8738, 97.2489,
67.8191

■ 0.0000, 0.0000,
0.0000

■ 99.0534, 124.9073,
90.4996

126.5299,

157.3679, 117.7450

158.6685,
195.0149, 149.9738

■ 11.6413, 17.5343,
8.2397

■ 11.6413, 17.5343,
8.2397

■ 10.4768, 16.9751,
6.3515

■ 13.0643, 18.2178,
10.5931

■ 9.5540, 16.5306,
4.8966

■ 14.7585, 19.0300,
13.4384

■ 8.8561, 16.1935,
3.8409


■ 16.7378, 19.9779,
16.8019


■ 8.3637, 15.9545,
3.1448


■ 19.0142, 21.0674,
20.7073


■ 8.0476, 15.8005,
2.7262


■ 21.5994, 22.3039,
25.1772

 7.9830, 15.7694,
2.6231

 24.5044, 23.6925,
30.2328

 27.7396, 25.2384,
35.8942

 31.3148, 26.9460,
42.1805

 35.2397, 28.8201,
49.1099

Harmonies

Analogous

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



14.3447, 17.5343, 5.1836



11.6413, 17.5343, 8.2397



10.3625, 17.5343, 15.3242

Triad

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



11.6413, 17.5343, 8.2397



15.2923, 17.5343, 48.6849



24.7554, 17.5343, 12.9260

Complementary

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



11.6413, 17.5343, 8.2397



14.3424, 10.0048, 21.9449

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.



25.1147, 17.5343, 23.4314



11.6413, 17.5343, 8.2397



19.2248, 17.5343, 47.2314

Square

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



11.6413, 17.5343, 8.2397



12.2421, 17.5343, 40.2089



22.9610, 17.5343, 36.7803



22.0444, 17.5343, 7.0723

Rectangle

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



11.6413, 17.5343, 8.2397



10.3323, 17.5343, 22.6650



22.9610, 17.5343, 36.7803



25.1694, 17.5343, 15.9155

Sweetspot

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



11.6417, 17.5350, 8.2401



31.1221, 36.3249, 32.0534



17.2946, 19.4797, 8.3175



6.8823, 8.1444, 6.9779



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.



11.6417, 17.5350, 8.2401



18.5677, 30.3044, 11.0649



12.2290, 17.7279, 13.2307



4.3062, 4.8343, 4.6263



7.7849, 15.3757, 2.5575



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.3424, 10.0048, 21.9449



24.0221, 15.0397, 38.8293



13.5985, 9.7928, 14.1600



4.4645, 4.3951, 5.4263



11.2064, 5.3308, 20.6883



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.6413, 17.5343, 8.2397 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 11.6413, 17.5343, 8.2397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

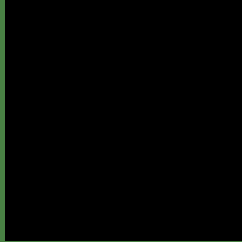
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.6413, 17.5343, 8.2397

Background



This preview shows how black text looks on a background with the XYZ color 11.6413, 17.5343, 8.2397.



This preview shows how white text looks on a background with the XYZ color 11.6413, 17.5343,

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

11.6413, 17.5343, 8.2397

Protanopia

15.8950, 17.3617, 7.2160

Deuteranopia

17.7023, 17.4254, 8.7338



Tritanopia

14.8707, 17.5163, 24.4270

Trichromacy



Original Color

11.6413, 17.5343, 8.2397

Protanomaly

13.8549, 17.1822, 7.5873

Deuteranomaly

14.8182, 17.1248, 8.4856

Tritanomaly

13.4873, 17.5207, 17.1390

Monochromacy



Original Color

11.6413, 17.5343, 8.2397

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.4633, 15.1345, 12.3896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6413, 17.5343, 8.2397 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(73, 129, 68)` looks like.

```
.text, #text, p{  
    color:rgb(73, 129, 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(73, 129, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 129, 68) }
```

Border

The CSS property to change the border of an element to XYZ 11.6413, 17.5343, 8.2397 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(73, 129, 68) }
```


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

```
.border{ border-color:rgb(73, 129, 68) }
```

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

Here you see how a box with a 4 pixel rgb(73, 129, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 129, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 129, 68);  
box-shadow:4px 4px 4px 4px rgb(73, 129,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6413, 17.5343, 8.2397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 129, 68) }
```

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

```
.background{ background-color: rgb(73, 129,  
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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