

Converting Colors

XYZ(16.5343, 20.1352, 11.1992)

Have a look what the booklet for
XYZ(16.5343, 20.1352, 11.1992)
contains.

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Color

**XYZ(16.6142, 20.2346,
11.2136)**

Conversions

Conversions Part 1

Format	Color
Hex	738253
RGB	115, 130, 83
RGB Percent	45%, 51%, 33%
CMY	0.5490, 0.4902, 0.6745
CMYK	0.12, 0.00, 0.36, 0.49
HSL	79°, 22%, 42%
HSV	79°, 36%, 51%
XYZ	16.6142, 20.2346, 11.2136
YIQ	120.1570, 6.1470, -17.7970

Conversions

Conversions Part 2

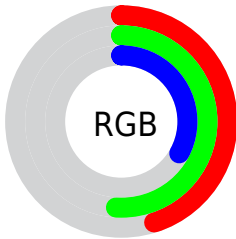
Format	Color
RYB	83, 130, 98
Decimal	7570003
CIELab	52.10, -13.98, 23.67
CIElCh	52, 27.487, 120.559
Yxy	20.2346, 0.3457, 0.4210
Android (android.graphics.Color)	4285760083 (0xFF738253)
YUV	120.1570, -18.3184, -4.5227
Hunter-Lab	44.9829, -12.7920, 16.7079

Details

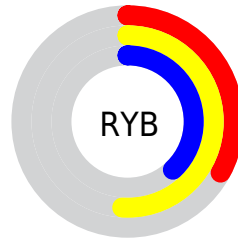
The XYZ color **16.6142, 20.2346, 11.2136** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.1603, 10.3954, 22.4858**, and the grayscale version is **17.9587, 18.8940, 20.5755**.

A 20% lighter version of the original color is **37.3156, 43.8853, 28.6943**, and **5.5231, 7.1767, 2.8444** is the 20% darker color. If you saturate the color by 10%, you get **15.6253, 19.7781, 8.7885**, and if you desaturate by 10%, it is **17.7228, 20.7432, 14.1365**.

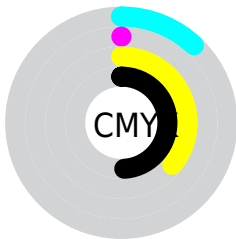
Distribution



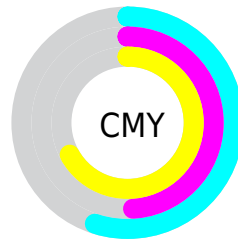
- Red (45%)
- Green (51%)
- Blue (33%)



- Red (33%)
- Yellow (51%)
- Blue (38%)



- Cyan (12%)
- Magenta (0%)
- Yellow (36%)
- Black (49%)



- Cyan (55%)
- Magenta (49%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6142, 20.2346, 11.2136 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 16.6142, 20.2346, 11.2136 by changing the saturation by 10% instead.

■ 16.6142, 20.2346,
11.2136

■ 16.6142, 20.2346,
11.2136

226.1391,
253.1823, 209.9169

■ 10.0534, 12.5657,
6.0947

■ 37.2101, 43.8102,
28.6971

■ 5.4969, 7.1302,
2.8330

■ 51.9760, 60.4856,
41.8989

■ 2.5794, 3.5436,
1.0100

■ 70.2076, 80.9320,
58.6320

■ 0.9355, 1.4217,
0.0000

■ 92.2703, 105.5338,
79.3150

■ 0.0000, 0.2326,
0.0000

■ 118.5294,
134.6753, 104.3665

■ 0.0000, 0.0000,
0.0000

149.3504,

168.7410, 134.2049

185.0985,
208.1152, 169.2489

■ 16.6142, 20.2346,
11.2136

■ 16.6142, 20.2346,
11.2136

■ 15.6253, 19.7781,
8.7885

■ 17.7228, 20.7432,
14.1365

■ 14.7491, 19.3688,
6.8322

■ 18.9548, 21.3033,
17.5815

■ 13.9799, 19.0050,
5.3144


■ 20.3155, 21.9179,
21.5729

■ 13.3109, 18.6841,
4.2012


■ 21.8095, 22.5887,
26.1332


■ 12.7342, 18.4028,
3.4532


■ 23.4411, 23.3175,
31.2834


 12.2369, 18.1558,
3.0030

 25.2144, 24.1060,
37.0436

 12.0557, 18.0656,
2.8516

 27.1333, 24.9558,
43.4330

 29.2015, 25.8684,
50.4698

 31.4228, 26.8453,
58.1716

Harmonies

Analogous

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



19.1797, 20.2346, 9.8991



16.6142, 20.2346, 11.2136



14.9006, 20.2346, 15.2682

Triad

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



16.6142, 20.2346, 11.2136



16.6972, 20.2346, 38.4406



25.1565, 20.2346, 21.8814

Complementary

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



16.6142, 20.2346, 11.2136



12.1603, 10.3954, 22.4858

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.



24.3315, 20.2346, 30.5460



16.6142, 20.2346, 11.2136



19.2852, 20.2346, 41.4087

Square

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



16.6142, 20.2346, 11.2136



14.9451, 20.2346, 30.8724



22.1121, 20.2346, 38.2222



24.2699, 20.2346, 15.0644

Rectangle

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



16.6142, 20.2346, 11.2136



14.3800, 20.2346, 19.5902



22.1121, 20.2346, 38.2222



25.0694, 20.2346, 24.6688

Sweetspot

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



16.6147, 20.2355, 11.2140



34.5258, 38.0337, 34.2859



15.1247, 14.0845, 10.1053



7.7557, 8.5821, 7.5877



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.



16.6147, 20.2355, 11.2140



27.8786, 34.9974, 16.3355



13.9200, 18.8463, 11.0879



4.5360, 4.9528, 4.6370



11.5662, 17.3250, 2.7345



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.1603, 10.3954, 22.4858



18.8844, 15.1156, 39.1148



15.0622, 11.8914, 22.6216



4.2281, 4.2732, 5.4152



4.7659, 2.0106, 20.3868



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.6142, 20.2346, 11.2136 looks on a white background.

Color Contrast Check

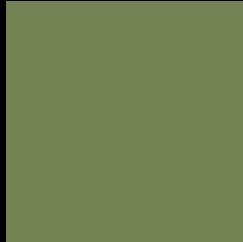
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6142, 20.2346, 11.2136 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 16.6142, 20.2346, 11.2136

Background



This preview shows how black text looks on a background with the XYZ color 16.6142, 20.2346, 11.2136.



This preview shows how white text looks on a background with the XYZ color 16.6142, 20.2346,

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

16.6142, 20.2346, 11.2136

Protanopia

18.6845, 20.1603, 10.6911

Deuteranopia

20.4493, 20.1454, 11.4050



Tritanopia

19.5368, 20.2741, 25.4379

Trichromacy



Original Color

16.6142, 20.2346, 11.2136

Protanomaly

17.8859, 20.1201, 10.9235

Deuteranomaly

18.8365, 20.0403, 11.2629

Tritanomaly

18.1631, 20.0815, 19.1385

Monochromacy



Original Color

16.6142, 20.2346, 11.2136

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.3327, 19.3284, 16.7271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6142, 20.2346, 11.2136 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(115, 130, 83)` looks like.

```
.text, #text, p{  
    color:rgb(115, 130, 83)  
}
```

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(115, 130, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 130, 83) }
```

Border

The CSS property to change the border of an element to XYZ 16.6142, 20.2346, 11.2136 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(115, 130, 83) }
```


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

```
.border{ border-color:rgb(115, 130, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 130, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 130, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 130, 83);  
box-shadow:4px 4px 4px 4px rgb(115, 130,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6142, 20.2346, 11.2136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 130, 83) }
```

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

```
.background{ background-color: rgb(115,  
130, 83) }
```

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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