

Converting Colors

XYZ(16.1198, 24.9579, 11.5273)

Have a look what the booklet for
XYZ(16.1198, 24.9579, 11.5273)
contains.

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Color

**XYZ(16.2325, 25.1110,
11.5808)**

Conversions

Conversions Part 1

Format	Color
Hex	519950
RGB	81, 153, 80
RGB Percent	32%, 60%, 31%
CMY	0.6824, 0.4000, 0.6863
CMYK	0.47, 0.00, 0.48, 0.40
HSL	119°, 31%, 46%
HSV	119°, 48%, 60%
XYZ	16.2325, 25.1110, 11.5808
YIQ	123.1500, -19.4790, -37.9670

Conversions

Conversions Part 2

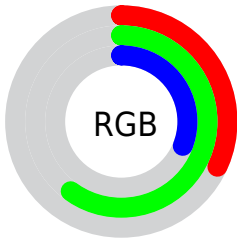
Format	Color
RYB	80, 153, 152
Decimal	5347664
CIELab	57.18, -38.04, 31.42
CIELCh	57, 49.336, 140.444
Yxy	25.1110, 0.3067, 0.4745
Android (android.graphics.Color)	4283537744 (0xFF519950)
YUV	123.1500, -21.2729, -36.9655
Hunter-Lab	50.1109, -29.8722, 21.3755

Details

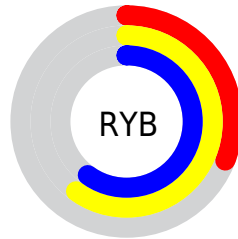
The XYZ color **16.2325, 25.1110, 11.5808** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **21.5688, 14.7136, 31.8416**, and the grayscale version is **18.9494, 19.9363, 21.7106**.

A 20% lighter version of the original color is **36.6443, 51.9013, 29.5593**, and **5.2911, 9.6058, 2.9417** is the 20% darker color. If you saturate the color by 10%, you get **14.5779, 24.3168, 8.8811**, and if you desaturate by 10%, it is **18.3045, 26.1070, 14.9731**.

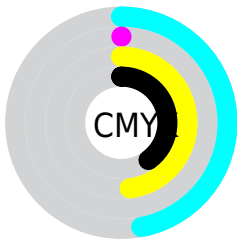
Distribution



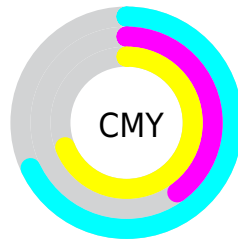
- Red (32%)
- Green (60%)
- Blue (31%)



- Red (31%)
- Yellow (60%)
- Blue (60%)



- Cyan (47%)
- Magenta (0%)
- Yellow (48%)
- Black (40%)



- Cyan (68%)
- Magenta (40%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2325, 25.1110, 11.5808 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 16.2325, 25.1110, 11.5808 by changing the saturation by 10% instead.

■ 16.2325, 25.1110,
11.5808

■ 16.2325, 25.1110,
11.5808

223.9533,
278.3903, 212.4884

■ 9.7807, 16.1598,
6.3399

■ 36.5556, 51.8372,
29.3822

■ 5.3150, 9.6373,
2.9807

■ 51.1575, 70.3810,
42.7797

■ 2.4699, 5.1591,
1.0848

■ 69.2070, 92.8912,
59.7331

■ 0.8801, 2.3409,
0.0000

■ 91.0692, 119.7520,
80.6611

■ 0.0000, 0.7952,
0.0000

■ 117.1096,
151.3479, 105.9820

■ 0.0000, 0.0000,
0.0000

147.6935,

188.0633, 136.1146

183.1863,
230.2827, 171.4772

■ 16.2325, 25.1110,
11.5808

■ 16.2325, 25.1110,
11.5808

■ 14.5779, 24.3168,
8.8811

■ 18.3045, 26.1070,
14.9731

■ 13.3107, 23.7077,
6.8249

■ 20.8177, 27.3138,
19.0994

■ 12.4000, 23.2698,
5.3590


■ 23.7960, 28.7438,
23.9998


■ 11.8092, 22.9853,
4.4214

■ 27.2612, 30.4074,
29.7111


■ 11.4803, 22.8270,
3.9015

■ 31.2340, 32.3144,
36.2677

 11.4179, 22.7970,
3.7985

 35.7334, 34.4740,
43.7019

 40.7777, 36.8951,
52.0445

 46.3844, 39.5858,
61.3248

 52.5701, 42.5543,
71.5705

Harmonies

Analogous

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



20.1656, 25.1110, 6.9554



16.2325, 25.1110, 11.5808



14.4398, 25.1110, 22.3553

Triad

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



16.2325, 25.1110, 11.5808



22.0560, 25.1110, 72.7299



35.9733, 25.1110, 17.5997

Complementary

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



16.2325, 25.1110, 11.5808



21.5688, 14.7136, 31.8416

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.



36.7011, 25.1110, 33.0192



16.2325, 25.1110, 11.5808



27.9963, 25.1110, 69.7480

Square

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



16.2325, 25.1110, 11.5808



17.4224, 25.1110, 60.2722



33.5843, 25.1110, 53.2739



31.7328, 25.1110, 9.3196

Rectangle

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



16.2325, 25.1110, 11.5808



14.4613, 25.1110, 33.5770



33.5843, 25.1110, 53.2739



36.6610, 25.1110, 21.9303

Sweetspot

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



16.2331, 25.1121, 11.5814



44.6457, 52.4500, 46.3259



25.7791, 29.7391, 11.9713



9.5958, 11.4555, 9.7969



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.2331, 25.1121, 11.5814



25.9988, 43.4950, 15.7296



17.8112, 25.7335, 20.3344



6.1396, 6.9294, 6.6198



9.4386, 18.8417, 3.1393



0.1429, 0.2826, 0.0470

Inverse Universe

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



21.5688, 14.7136, 31.8416



36.7052, 22.6169, 56.4029



19.2596, 13.8116, 18.7030



6.4529, 6.3193, 7.8086



15.2885, 7.3326, 25.5172



0.2308, 0.1108, 0.3816

Previews

White Background



This preview shows how the XYZ color 16.2325, 25.1110, 11.5808 looks on a white background.

Color Contrast Check

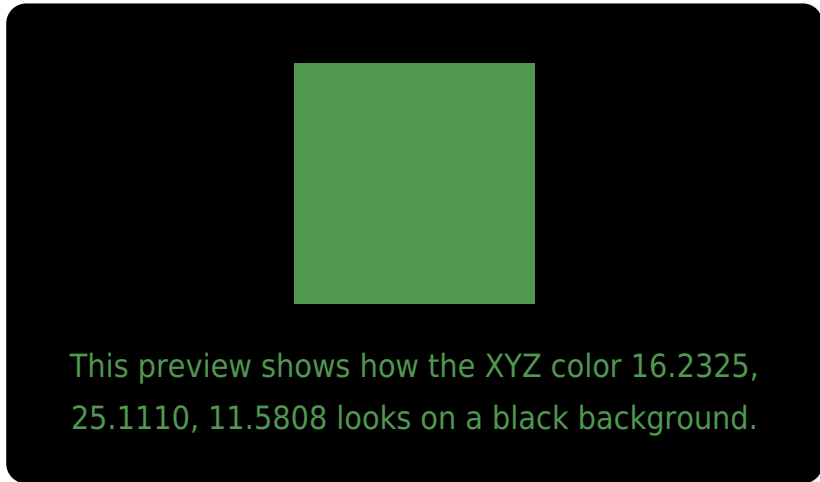
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 16.2325, 25.1110, 11.5808

Background



This preview shows how black text looks on a background with the XYZ color 16.2325, 25.1110, 11.5808.



This preview shows how white text looks on a background with the XYZ color 16.2325, 25.1110,

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

16.2325, 25.1110, 11.5808

Protanopia

22.7594, 24.8698, 10.0794

Deuteranopia

25.1794, 24.6365, 12.2323



Tritanopia

20.9038, 24.8882, 35.1546

Trichromacy



Original Color

16.2325, 25.1110, 11.5808

Protanomaly

19.5844, 24.5267, 10.5394

Deuteranomaly

20.5202, 23.8854, 11.9163

Tritanomaly

18.6444, 24.6501, 24.1974

Monochromacy



Original Color

16.2325, 25.1110, 11.5808

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.3633, 21.2999, 17.1061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2325, 25.1110, 11.5808 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(81, 153, 80)` looks like.

```
.text, #text, p{  
    color:rgb(81, 153, 80)  
}
```

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(81, 153, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 153, 80) }
```

Border

The CSS property to change the border of an element to XYZ 16.2325, 25.1110, 11.5808 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(81, 153, 80) }
```


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

```
.border{ border-color:rgb(81, 153, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 153, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 153, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 153, 80);  
box-shadow:4px 4px 4px 4px rgb(81, 153,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2325, 25.1110, 11.5808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 153, 80) }
```

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

```
.background{ background-color: rgb(81, 153,  
80) }
```

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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