

Converting Colors

XYZ(11.7110, 18.2257, 8.5038)

Have a look what the booklet for
XYZ(11.7110, 18.2257, 8.5038)
contains.

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Color

**XYZ(11.6402, 18.1255,
8.5153)**

Conversions

Conversions Part 1

Format	Color
Hex	438445
RGB	67, 132, 69
RGB Percent	26%, 52%, 27%
CMY	0.7373, 0.4823, 0.7294
CMYK	0.49, 0.00, 0.48, 0.48
HSL	122°, 33%, 39%
HSV	122°, 49%, 52%
XYZ	11.6402, 18.1255, 8.5153
YIQ	105.3830, -18.5170, -33.3730

Conversions

Conversions Part 2

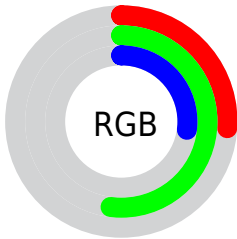
Format	Color
RYB	67, 130, 132
Decimal	4424773
CIELab	49.65, -34.67, 27.66
CIElCh	50, 44.347, 141.415
Yxy	18.1255, 0.3041, 0.4735
Android (android.graphics.Color)	4282614853 (0xFF438445)
YUV	105.3830, -17.9368, -33.6619
Hunter-Lab	42.5741, -25.7008, 17.9432

Details

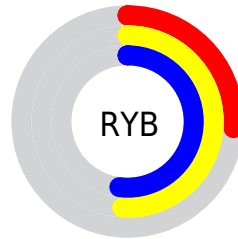
The XYZ color **11.6402, 18.1255, 8.5153** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.5527, 10.5319, 22.3328**, and the grayscale version is **13.5825, 14.2898, 15.5616**.

A 20% lighter version of the original color is **28.5746, 40.4189, 23.4351**, and **3.2596, 6.1416, 1.8243** is the 20% darker color. If you saturate the color by 10%, you get **10.4812, 17.5696, 6.6069**, and if you desaturate by 10%, it is **13.0921, 18.8236, 10.8852**.

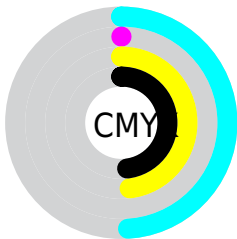
Distribution



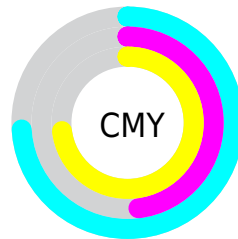
- Red (26%)
- Green (52%)
- Blue (27%)



- Red (26%)
- Yellow (51%)
- Blue (52%)



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



- Cyan (74%)
- Magenta (48%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6402, 18.1255, 8.5153 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 11.6402, 18.1255, 8.5153 by changing the saturation by 10% instead.

■ 11.6402, 18.1255,
8.5153

■ 11.6402, 18.1255,
8.5153

195.8275,
241.5775, 189.8027

■ 6.5696, 11.0401,
4.3339

■ 28.4607, 40.2511,
23.5252

■ 3.2384, 6.0938,
1.8103

■ 40.9413, 56.0600,
35.1909

■ 1.2810, 2.9022,
0.4347

■ 56.6226, 75.5457,
50.1884

■ 0.1690, 1.0809,
0.0000

■ 75.8700, 99.0923,
68.9363

■ 0.0000, 0.0000,
0.0000

■ 99.0488, 127.0845,
91.8532

126.5245,

159.9064, 119.3575

158.6622,
197.9426, 151.8678

■ 11.6402, 18.1255,
8.5153

■ 11.6402, 18.1255,
8.5153

■ 10.4812, 17.5696,
6.6069

■ 13.0921, 18.8236,
10.8852

■ 9.5939, 17.1440,
5.1290

■ 14.8535, 19.6702,
13.7428

■ 8.9566, 16.8387,
4.0484

■ 16.9413, 20.6740,
17.1135

■ 8.5436, 16.6413,
3.3266

■ 19.3708, 21.8425,
21.0209

■ 8.2917, 16.5207,
2.8963

■ 22.1565, 23.1826,
25.4869

■ 8.2739, 16.5122,
2.8678

■ 25.3118, 24.7008,
30.5322

■ 28.8495, 26.4033,
36.1765

■ 32.7819, 28.2960,
42.4387

■ 37.1207, 30.3846,
49.3366

Harmonies

Analogous

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



14.4363, 18.1255, 5.0592



11.6402, 18.1255, 8.5153



10.3957, 18.1255, 16.4714

Triad

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



11.6402, 18.1255, 8.5153



16.0467, 18.1255, 52.7068



25.9221, 18.1255, 12.4196

Complementary

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



11.6402, 18.1255, 8.5153



15.5527, 10.5319, 22.3328

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.



26.5421, 18.1255, 23.4049



11.6402, 18.1255, 8.5153



20.3576, 18.1255, 50.1662

Square

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



11.6402, 18.1255, 8.5153



12.6538, 18.1255, 43.9891



24.3666, 18.1255, 38.0264



22.7893, 18.1255, 6.5892

Rectangle

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



11.6402, 18.1255, 8.5153



10.4454, 18.1255, 24.6919



24.3666, 18.1255, 38.0264



26.4495, 18.1255, 15.4913

Sweetspot

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



11.6407, 18.1263, 8.5157



31.4401, 37.1848, 32.7191



18.6123, 21.7274, 8.5231



7.1452, 8.5734, 7.3366



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.



11.6407, 18.1263, 8.5157



18.2715, 30.8561, 11.3225



12.8951, 18.6280, 15.1215



4.6217, 5.2069, 5.0190



8.0112, 15.9873, 2.7786



0.0281, 0.0555, 0.0115

Inverse Universe

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



15.5527, 10.5319, 22.3328



25.9995, 15.8452, 38.6104



13.7478, 9.8099, 12.8280



4.8519, 4.7604, 5.8322



12.9825, 6.2573, 20.2780



0.0455, 0.0219, 0.0728

Previews

White Background



This preview shows how the XYZ color 11.6402, 18.1255, 8.5153 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 11.6402, 18.1255, 8.5153 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 11.6402, 18.1255, 8.5153

Background



This preview shows how black text looks on a background with the XYZ color 11.6402, 18.1255, 8.5153.



This preview shows how white text looks on a background with the XYZ color 11.6402, 18.1255,

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

11.6402, 18.1255, 8.5153

Protanopia

16.4571, 17.9942, 7.4563

Deuteranopia

18.1855, 17.8335, 8.9623



Tritanopia

15.1001, 18.1658, 25.6322

Trichromacy



Original Color

11.6402, 18.1255, 8.5153

Protanomaly

14.0102, 17.6234, 7.8175

Deuteranomaly

14.8368, 17.3064, 8.6894

Tritanomaly

13.5689, 18.1225, 17.8218

Monochromacy



Original Color

11.6402, 18.1255, 8.5153

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.3769, 15.2583, 12.4180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6402, 18.1255, 8.5153 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(67, 132, 69)` looks like.

```
.text, #text, p{  
    color:rgb(67, 132, 69)  
}
```

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(67, 132, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 132, 69) }
```

Border

The CSS property to change the border of an element to XYZ 11.6402, 18.1255, 8.5153 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(67, 132, 69) }
```


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

```
.border{ border-color:rgb(67, 132, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 132, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 132, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 132, 69);  
box-shadow:4px 4px 4px 4px rgb(67, 132,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6402, 18.1255, 8.5153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 132, 69) }
```

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

```
.background{ background-color: rgb(67, 132,  
69) }
```

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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