

Converting Colors

XYZ(10.2276, 16.1584, 11.1742)

Have a look what the booklet for
XYZ(10.2276, 16.1584, 11.1742)
contains.

XYZ(10.2273, 16.1584, 11.1742)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.2273, 16.1584,
11.1742)**

Conversions

Conversions Part 1

Format	Color
Hex	2E7E55
RGB	46, 126, 85
RGB Percent	18%, 49%, 33%
CMY	0.8196, 0.5059, 0.6667
CMYK	0.63, 0.00, 0.33, 0.51
HSL	149°, 47%, 34%
HSV	149°, 63%, 49%
XYZ	10.2273, 16.1584, 11.1742
YIQ	97.4060, -34.5190, -29.7110

Conversions

Conversions Part 2

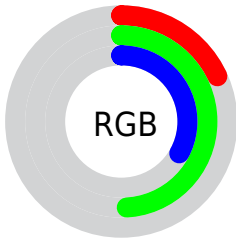
Format	Color
RYB	46, 100, 126
Decimal	3046997
CIELab	47.18, -34.52, 15.30
CIELCh	47, 37.754, 156.099
Yxy	16.1584, 0.2723, 0.4302
Android (android.graphics.Color)	4281237077 (0xFF2E7E55)
YUV	97.4060, -6.1162, -45.0831
Hunter-Lab	40.1975, -24.9306, 11.6567

Details

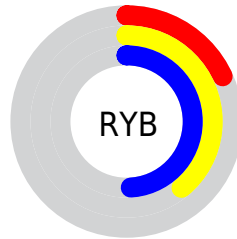
The XYZ color **10.2273, 16.1584, 11.1742** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.3021, 7.0782, 9.7882**, and the grayscale version is **11.4834, 12.0815, 13.1567**.

A 20% lighter version of the original color is **25.7488, 36.6988, 28.6481**, and **2.9506, 5.3154, 2.7899** is the 20% darker color. If you saturate the color by 10%, you get **9.4960, 15.8101, 9.8615**, and if you desaturate by 10%, it is **11.1495, 16.6033, 12.6188**.

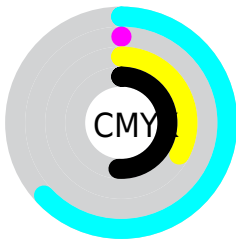
Distribution



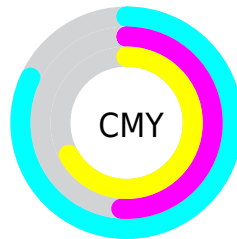
- Red (18%)
- Green (49%)
- Blue (33%)



- Red (18%)
- Yellow (39%)
- Blue (49%)



- Cyan (63%)
- Magenta (0%)
- Yellow (33%)
- Black (51%)



- Cyan (82%)
- Magenta (51%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2273, 16.1584, 11.1742 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 10.2273, 16.1584, 11.1742 by changing the saturation by 10% instead.

■ 10.2273, 16.1584,
11.1742

■ 10.2273, 16.1584,
11.1742

186.3067,
230.2746, 209.6389

■ 5.6133, 9.6363,
6.0685

■ 25.8680, 36.8730,
28.6234

■ 2.6498, 5.1585,
2.8173

■ 37.6254, 51.8343,
41.8040

■ 0.9714, 2.3406,
1.0021

■ 52.4947, 70.3774,
58.5132

■ 0.0000, 0.7950,
0.0000

■ 70.8412, 92.8868,
79.1697

■ 0.0000, 0.0000,
0.0000

■ 93.0303, 119.7468,
104.1920

■ 119.4274,

151.3418, 133.9986

150.3977,
188.0563, 169.0081

■ 10.2273, 16.1584,
11.1742

■ 10.2273, 16.1584,
11.1742

■ 9.4960, 15.8101,
9.8615

■ 11.1495, 16.6033,
12.6188

■ 8.9387, 15.5485,
8.6756

■ 12.2753, 17.1498,
14.1980

■ 8.5362, 15.3641,
7.6126

■ 13.6175, 17.8051,
15.9158

■ 8.3149, 15.2637,
6.9830

■ 15.1876, 18.5750,
17.7755

■ 16.9963, 19.4649,
19.7806

■ 19.0534, 20.4799,
21.9342

■ 21.3684, 21.6246,
24.2394

■ 23.9500, 22.9038,
26.6992

■ 26.8068, 24.3215,
29.3166

Harmonies

Analogous

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



11.8938, 16.1584, 6.5658



10.2273, 16.1584, 11.1742



9.8421, 16.1584, 19.6097

Triad

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



10.2273, 16.1584, 11.1742



16.0467, 16.1584, 42.7717



21.1188, 16.1584, 8.8669

Complementary

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



10.2273, 16.1584, 11.1742



11.3021, 7.0782, 9.7882

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.



22.6250, 16.1584, 15.7209



10.2273, 16.1584, 11.1742



19.4372, 16.1584, 36.9001

Square

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



10.2273, 16.1584, 11.1742



12.9128, 16.1584, 40.1771



21.9691, 16.1584, 26.0948



18.0941, 16.1584, 5.6090

Rectangle

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



10.2273, 16.1584, 11.1742



10.3065, 16.1584, 26.9306



21.9691, 16.1584, 26.0948



21.8379, 16.1584, 10.7109

Sweetspot

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



10.2277, 16.1591, 11.1746



27.9692, 33.3028, 32.6846



11.9162, 17.1620, 5.2696



6.1955, 7.4933, 7.2475



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.2277, 16.1591, 11.1746



16.2583, 27.6131, 16.4363



12.2685, 16.9754, 21.9212



4.3566, 4.8510, 5.0489



8.5279, 15.6577, 7.1524



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.3021, 7.0782, 9.7882



18.3113, 10.2437, 13.7748



10.1015, 6.5980, 3.4662



4.4126, 4.3782, 4.9770



9.7912, 4.9362, 5.4904



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.2273, 16.1584, 11.1742 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 10.2273, 16.1584, 11.1742 looks on a black 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

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

XYZ 10.2273, 16.1584, 11.1742

Background



This preview shows how black text looks on a background with the XYZ color 10.2273, 16.1584, 11.1742.



This preview shows how white text looks on a background with the XYZ color 10.2273, 16.1584,

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

10.2273, 16.1584, 11.1742

Protanopia

14.8415, 15.9265, 9.6890

Deuteranopia

16.1141, 15.9038, 11.6716



Tritanopia

12.6702, 16.0367, 23.5467

Trichromacy



Original Color

10.2273, 16.1584, 11.1742

Protanomaly

12.2448, 15.4120, 10.1140

Deuteranomaly

12.9244, 15.3919, 11.5223

Tritanomaly

11.6277, 15.9747, 18.3902

Monochromacy



Original Color

10.2273, 16.1584, 11.1742

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.4802, 13.1351, 12.3389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2273, 16.1584, 11.1742 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(46, 126, 85)` looks like.

```
.text, #text, p{  
    color:rgb(46, 126, 85)  
}
```

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(46, 126, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 126, 85) }
```

Border

The CSS property to change the border of an element to XYZ 10.2273, 16.1584, 11.1742 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(46, 126, 85) }
```


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

```
.border{ border-color:rgb(46, 126, 85) }
```

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

Here you see how a box with a 4 pixel rgb(46, 126, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 126, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 126, 85);  
box-shadow:4px 4px 4px 4px rgb(46, 126,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2273, 16.1584, 11.1742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 126, 85) }
```

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

```
.background{ background-color: rgb(46, 126,  
85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor