

Converting Colors

XYZ(9.1790, 14.5950, 8.7157)

Have a look what the booklet for
XYZ(9.1790, 14.5950, 8.7157)
contains.

XYZ(9.1380, 14.5424, 8.6287)	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(9.1380, 14.5424,
8.6287)**

Conversions

Conversions Part 1

Format	Color
Hex	307849
RGB	48, 120, 73
RGB Percent	19%, 47%, 29%
CMY	0.8118, 0.5294, 0.7137
CMYK	0.60, 0.00, 0.39, 0.53
HSL	141°, 43%, 33%
HSV	141°, 60%, 47%
XYZ	9.1380, 14.5424, 8.6287
YIQ	93.1140, -27.8250, -29.8810

Conversions

Conversions Part 2

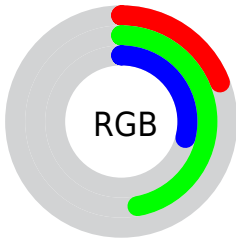
Format	Color
RYB	48, 101, 120
Decimal	3176521
CIELab	45.00, -33.88, 19.27
CIElCh	45, 38.975, 150.373
Yxy	14.5424, 0.2828, 0.4501
Android (android.graphics.Color)	4281366601 (0xFF307849)
YUV	93.1140, -9.9162, -39.5650
Hunter-Lab	38.1345, -23.9622, 13.2786

Details

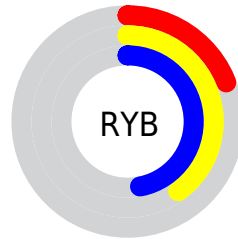
The XYZ color **9.1380, 14.5424, 8.6287** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.8687, 6.9335, 11.5923**, and the grayscale version is **10.4585, 11.0032, 11.9824**.

A 20% lighter version of the original color is **23.8233, 34.0590, 23.7308**, and **2.3998, 4.4642, 1.8338** is the 20% darker color. If you saturate the color by 10%, you get **8.4034, 14.1922, 7.3231**, and if you desaturate by 10%, it is **10.0593, 14.9858, 10.1145**.

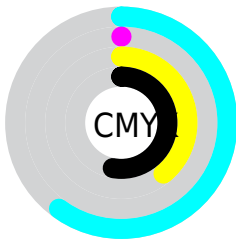
Distribution



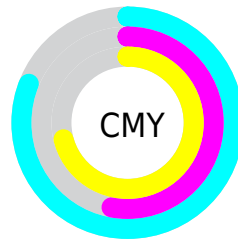
- Red (19%)
- Green (47%)
- Blue (29%)



- Red (19%)
- Yellow (40%)
- Blue (47%)



- Cyan (60%)
- Magenta (0%)
- Yellow (39%)
- Black (53%)





- Cyan (81%)
- Magenta (53%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.1380, 14.5424, 8.6287 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 9.1380, 14.5424, 8.6287 by changing the saturation by 10% instead.


 9.1380, 14.5424,
8.6287


 9.1380, 14.5424,
8.6287


178.5894,
220.5795, 190.6983


 4.8891, 8.4989,
4.4063


 23.8257, 34.0484,
23.7482

 2.2164, 4.4158,
1.8508

 34.9952, 48.2796,
35.4825


 0.7514, 1.9088,
0.4611

 49.2023, 66.0089,
50.5577

 0.0000, 0.5536,
0.0000

 66.8124, 87.6206,
69.3925

 0.0000, 0.0000,
0.0000

 88.1908, 113.4991,
92.4055

 113.7029,

144.0288, 120.0150

143.7139,
179.5942, 152.6398

■ 9.1380, 14.5424,
8.6287

■ 9.1380, 14.5424,
8.6287

■ 8.4034, 14.1922,
7.3231

■ 10.0593, 14.9858,
10.1145

■ 7.8404, 13.9265,
6.1897

■ 11.1786, 15.5270,
11.7862

■ 7.4334, 13.7377,
5.2214

■ 12.5076, 16.1722,
13.6502

■ 7.1288, 13.5983,
4.4085

■ 14.0566, 16.9267,
15.7125

■ 15.8354, 17.7954,
17.9788

■ 17.8531, 18.7829,
20.4545

■ 20.1183, 19.8935,
23.1449

■ 22.6393, 21.1313,
26.0550

■ 25.4237, 22.5002,
29.1897

Harmonies

Analogous

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



10.9414, 14.5424, 4.9850



9.1380, 14.5424, 8.6287



8.5417, 14.5424, 15.9489

Triad

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



9.1380, 14.5424, 8.6287



13.8621, 14.5424, 40.7662



19.8323, 14.5424, 8.4971

Complementary

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



9.1380, 14.5424, 8.6287



10.8687, 6.9335, 11.5923

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.



20.9247, 14.5424, 15.7200



9.1380, 14.5424, 8.6287



17.1687, 14.5424, 36.3949

Square

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



9.1380, 14.5424, 8.6287



11.0007, 14.5424, 36.5946



19.8831, 14.5424, 26.2282



17.0889, 14.5424, 4.9322

Rectangle

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



9.1380, 14.5424, 8.6287



8.8236, 14.5424, 22.7869



19.8831, 14.5424, 26.2282



20.4220, 14.5424, 10.4626

Sweetspot

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



9.1384, 14.5430, 8.6290



25.1828, 29.9946, 28.2320



12.0744, 16.1338, 5.2741



5.7991, 7.0260, 6.4711



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



9.1384, 14.5430, 8.6290



14.3726, 24.7678, 12.0942



10.6426, 15.1447, 16.5503



4.0030, 4.4708, 4.5497



7.7704, 14.8318, 4.7761



36.6992, 70.6027, 20.8517

Inverse Universe

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



10.8687, 6.9335, 11.5923



17.6986, 10.0678, 17.7361



9.6187, 6.4335, 5.0099



4.0982, 4.0550, 4.7146



9.9566, 4.9588, 8.3283



47.0807, 23.4886, 37.5509

Previews

White Background



This preview shows how the XYZ color 9.1380, 14.5424, 8.6287 looks on a white background.

Color Contrast Check

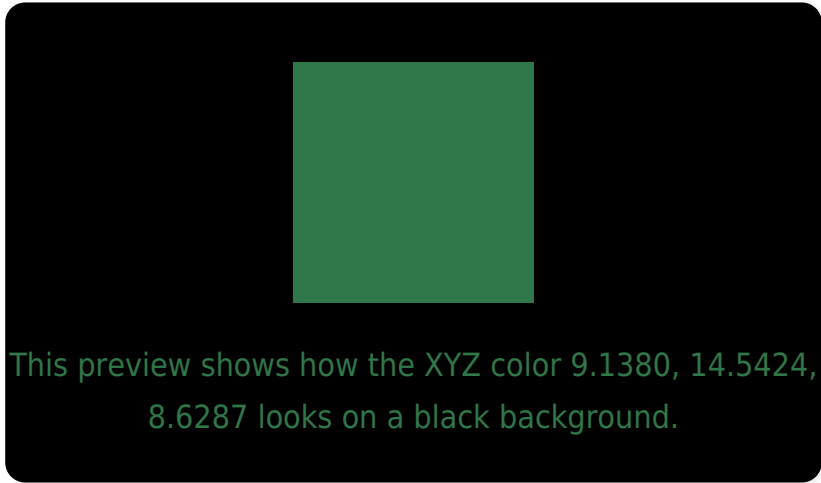
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 9.1380, 14.5424, 8.6287

Background



This preview shows how black text looks on a background with the XYZ color 9.1380, 14.5424, 8.6287.



This preview shows how white text looks on a background with the XYZ color 9.1380, 14.5424,

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

9.1380, 14.5424, 8.6287

Protanopia

13.2374, 14.3582, 7.3839

Deuteranopia

14.4507, 14.2032, 9.0010



Tritanopia

11.6424, 14.5214, 20.9282

Trichromacy



Original Color

9.1380, 14.5424, 8.6287

Protanomaly

11.0730, 14.0227, 7.7533

Deuteranomaly

11.5968, 13.7883, 8.8877

Tritanomaly

10.5401, 14.4102, 15.5905

Monochromacy



Original Color

9.1380, 14.5424, 8.6287

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.5905, 11.9502, 10.6052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.1380, 14.5424, 8.6287 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(48, 120, 73)` looks like.

```
.text, #text, p{  
    color:rgb(48, 120, 73)  
}
```

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(48, 120, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 120, 73) }
```

Border

The CSS property to change the border of an element to XYZ 9.1380, 14.5424, 8.6287 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(48, 120, 73) }
```


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

```
.border{ border-color:rgb(48, 120, 73) }
```

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

Here you see how a box with a 4 pixel rgb(48, 120, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 120, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 120, 73);  
box-shadow:4px 4px 4px 4px rgb(48, 120,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 9.1380, 14.5424, 8.6287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 120, 73) }
```

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

```
.background{ background-color: rgb(48, 120,  
73) }
```

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