

Converting Colors

XYZ(12.9598, 18.0051, 14.4674)

Have a look what the booklet for
XYZ(12.9598, 18.0051, 14.4674)
contains.

XYZ(12.9565, 18.0782, 14.3618)	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(12.9565, 18.0782,
14.3618)**

Conversions

Conversions Part 1

Format	Color
Hex	4B8162
RGB	75, 129, 98
RGB Percent	29%, 51%, 38%
CMY	0.7059, 0.4941, 0.6157
CMYK	0.42, 0.00, 0.24, 0.49
HSL	146°, 26%, 40%
HSV	146°, 42%, 51%
XYZ	12.9565, 18.0782, 14.3618
YIQ	109.3200, -22.2330, -21.0890

Conversions

Conversions Part 2

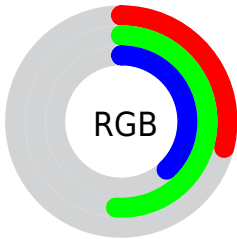
Format	Color
RYB	75, 113, 129
Decimal	4948322
CIELab	49.59, -25.39, 11.28
CIElCh	50, 27.784, 156.047
Yxy	18.0782, 0.2854, 0.3982
Android (android.graphics.Color)	4283138402 (0xFF4B8162)
YUV	109.3200, -5.5808, -30.0986
Hunter-Lab	42.5185, -20.0137, 9.7361

Details

The XYZ color **12.9565, 18.0782, 14.3618** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.1715, 10.7403, 14.9626**, and the grayscale version is **14.6470, 15.4098, 16.7813**.

A 20% lighter version of the original color is **30.7569, 40.0614, 34.5453**, and **3.7944, 6.0377, 4.0974** is the 20% darker color. If you saturate the color by 10%, you get **11.7144, 17.4769, 12.5622**, and if you desaturate by 10%, it is **14.4365, 18.7994, 16.3423**.

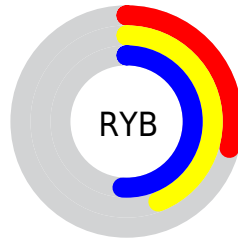
Distribution



Red (29%)

Green (51%)

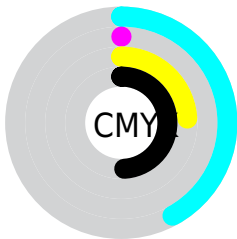
Blue (38%)



Red (29%)

Yellow (44%)

Blue (51%)

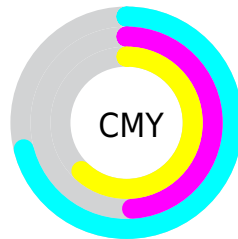


Cyan (42%)

Magenta (0%)

Yellow (24%)

Black (49%)



Cyan (71%)

Magenta (49%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9565, 18.0782, 14.3618 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 12.9565, 18.0782, 14.3618 by changing the saturation by 10% instead.

■ 12.9565, 18.0782,
14.3618

■ 12.9565, 18.0782,
14.3618

204.2819,
241.3115, 230.9763

■ 7.4754, 11.0061,
8.2311

■ 30.8276, 40.1705,
34.4559

■ 3.8101, 6.0710,
4.1533

■ 43.9483, 55.9596,
49.2565

■ 1.5953, 2.8883,
1.7098

■ 60.3462, 75.4231,
67.7841

■ 0.3893, 1.0737,
0.3674

■ 80.3867, 98.9455,
90.4572

■ 0.0000, 0.0000,
0.0000

■ 104.4352,
126.9111, 117.6945

132.8570,

159.7044, 149.9144

166.0175,
197.7097, 187.5355

■ 12.9565, 18.0782,
14.3618

■ 12.9565, 18.0782,
14.3618

■ 11.7144, 17.4769,
12.5622

■ 14.4365, 18.7994,
16.3423

■ 10.6956, 16.9866,
10.9370

■ 16.1653, 19.6445,
18.5073

■ 9.8857, 16.6005,
9.4812

■ 18.1548, 20.6200,
20.8622

■ 9.2681, 16.3101,
8.1891

■ 20.4155, 21.7314,
23.4113

■ 8.8236, 16.1056,
7.0545

■ 22.9575, 22.9836,
26.1592

■ 8.5388, 15.9765,
6.2411

■ 25.7903, 24.3816,
29.1101

■ 28.9230, 25.9300,
32.2681

■ 32.3644, 27.6330,
35.6373

■ 36.1225, 29.4950,
39.2216

Harmonies

Analogous

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



14.3708, 18.0782, 10.1294



12.9565, 18.0782, 14.3618



12.6213, 18.0782, 21.2523

Triad

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



12.9565, 18.0782, 14.3618



17.7220, 18.0782, 37.9239



21.6129, 18.0782, 12.3215

Complementary

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



12.9565, 18.0782, 14.3618



14.1715, 10.7403, 14.9626

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.



22.7289, 18.0782, 18.1950



12.9565, 18.0782, 14.3618



20.3395, 18.0782, 33.8992

Square

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



12.9565, 18.0782, 14.3618



15.2070, 18.0782, 36.1428



22.2407, 18.0782, 26.1815



19.3227, 18.0782, 9.1794

Rectangle

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



12.9565, 18.0782, 14.3618



13.0214, 18.0782, 26.7668



22.2407, 18.0782, 26.1815



22.1479, 18.0782, 13.9759

Sweetspot

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



12.9570, 18.0789, 14.3622



31.9658, 36.6573, 36.7278



15.1243, 19.3042, 9.5858



7.0767, 8.2194, 8.1279



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.



12.9570, 18.0789, 14.3622



21.1173, 31.3638, 22.7071



14.4223, 18.6651, 22.0784



4.3461, 4.8468, 4.9939



8.3271, 15.5774, 6.0954



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.1715, 10.7403, 14.9626



23.5908, 16.4003, 23.9172



12.9994, 10.2715, 8.7906



4.4231, 4.3824, 5.0326



10.0362, 5.0342, 6.7802



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.9565, 18.0782, 14.3618 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 12.9565, 18.0782, 14.3618 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 12.9565, 18.0782, 14.3618

Background



This preview shows how black text looks on a background with the XYZ color 12.9565, 18.0782, 14.3618.



This preview shows how white text looks on a background with the XYZ color 12.9565, 18.0782,

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

12.9565, 18.0782, 14.3618

Protanopia

16.7505, 17.8553, 12.6888

Deuteranopia

18.0856, 17.8182, 14.7980



Tritanopia

15.0780, 17.9755, 25.2292

Trichromacy



Original Color

12.9565, 18.0782, 14.3618

Protanomaly

14.9212, 17.6087, 13.2021

Deuteranomaly

15.7071, 17.6245, 14.6306

Tritanomaly

14.2203, 18.0077, 20.8155

Monochromacy



Original Color

12.9565, 18.0782, 14.3618

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.7250, 16.0521, 15.7396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9565, 18.0782, 14.3618 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(75, 129, 98)` looks like.

```
.text, #text, p{  
    color:rgb(75, 129, 98)  
}
```

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(75, 129, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 129, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.9565, 18.0782, 14.3618 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(75, 129, 98) }
```


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

```
.border{ border-color:rgb(75, 129, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 129, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 129, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 129, 98);  
box-shadow:4px 4px 4px 4px rgb(75, 129,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9565, 18.0782, 14.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 129, 98) }
```

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

```
.background{ background-color: rgb(75, 129,  
98) }
```

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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