

Converting Colors

XYZ(18.3917, 27.9667, 24.1028)

Have a look what the booklet for
XYZ(18.3917, 27.9667, 24.1028)
contains.

XYZ(18.3742, 27.9568, 24.1664)	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(18.3742, 27.9568,
24.1664)**

Conversions

Conversions Part 1

Format	Color
Hex	3CA17E
RGB	60, 161, 126
RGB Percent	24%, 63%, 49%
CMY	0.7647, 0.3686, 0.5059
CMYK	0.63, 0.00, 0.22, 0.37
HSL	159°, 46%, 43%
HSV	159°, 63%, 63%
XYZ	18.3742, 27.9568, 24.1664
YIQ	126.8110, -48.9610, -32.2970

Conversions

Conversions Part 2

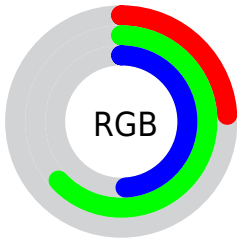
Format	Color
RYB	60, 121, 161
Decimal	3973502
CIELab	59.85, -37.83, 9.68
CIELCh	60, 39.050, 165.642
Yxy	27.9568, 0.2606, 0.3966
Android (android.graphics.Color)	4282163582 (0xFF3CA17E)
YUV	126.8110, -0.3998, -58.5932
Hunter-Lab	52.8742, -30.4997, 9.9132

Details

The XYZ color **18.3742, 27.9568, 24.1664** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.3802, 11.6356, 12.1045**, and the grayscale version is **20.1219, 21.1698, 23.0539**.

A 20% lighter version of the original color is **40.1638, 56.2180, 51.3821**, and **6.8082, 11.4731, 8.8769** is the 20% darker color. If you saturate the color by 10%, you get **17.1957, 27.3904, 22.2844**, and if you desaturate by 10%, it is **19.8702, 28.6860, 26.1694**.

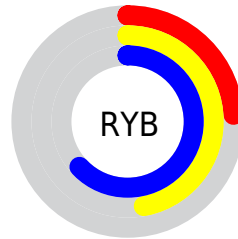
Distribution



Red (24%)

Green (63%)

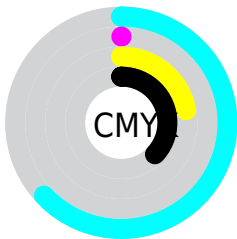
Blue (49%)



Red (24%)

Yellow (47%)

Blue (63%)

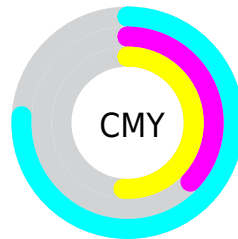


Cyan (63%)

Magenta (0%)

Yellow (22%)

Black (37%)



Cyan (76%)

Magenta (37%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3742, 27.9568, 24.1664 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 18.3742, 27.9568, 24.1664 by changing the saturation by 10% instead.

■ 18.3742, 27.9568,
24.1664

■ 18.3742, 27.9568,
24.1664

235.9769,
292.2604, 286.9743

■ 11.3203, 18.2931,
15.2438

■ 40.1990, 56.4155,
51.2488

■ 6.3516, 11.1606,
8.8421

■ 55.7007, 75.9792,
70.2457

■ 3.1027, 6.1750,
4.5429

■ 74.7489, 99.6118,
93.4378

■ 1.2083, 2.9518,
1.9277

■ 97.7091, 127.6975,
121.2435

■ 0.1129, 1.1066,
0.5103

■ 124.9467,
160.6209, 154.0815

■ 0.0000, 0.0000,
0.0000

156.8269,

198.7662, 192.3702

193.7152,
242.5179, 236.5283

■ 18.3742, 27.9568,
24.1664

■ 18.3742, 27.9568,
24.1664

■ 17.1957, 27.3904,
22.2844

■ 19.8702, 28.6860,
26.1694

■ 16.3043, 26.9691,
20.5183

■ 21.7061, 29.5873,
28.2941

■ 15.6674, 26.6766,
18.8656

■ 23.9049, 30.6733,
30.5440

■ 15.3059, 26.5150,
17.7319

■ 26.4866, 31.9542,
32.9215

■ 29.4699, 33.4398,
35.4290

■ 32.8724, 35.1389,
38.0689

■ 36.7104, 37.0600,
40.8434

■ 40.9993, 39.2111,
43.7547

■ 45.7539, 41.5995,
46.8050

Harmonies

Analogous

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



20.3292, 27.9568, 15.0786



18.3742, 27.9568, 24.1664



18.4174, 27.9568, 38.4003

Triad

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



18.3742, 27.9568, 24.1664



29.2229, 27.9568, 64.9735



33.8003, 27.9568, 14.8098

Complementary

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



18.3742, 27.9568, 24.1664



18.3802, 11.6356, 12.1045

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.



36.8360, 27.9568, 23.6640



18.3742, 27.9568, 24.1664



33.9777, 27.9568, 53.7620

Square

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



18.3742, 27.9568, 24.1664



24.2802, 27.9568, 65.2359



36.9047, 27.9568, 37.7155



29.0039, 27.9568, 10.9282

Rectangle

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



18.3742, 27.9568, 24.1664



19.5610, 27.9568, 49.2554



36.9047, 27.9568, 37.7155



35.0854, 27.9568, 17.1548

Sweetspot

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



18.3750, 27.9579, 24.1670



49.1548, 58.0813, 60.4469



18.3170, 28.2689, 8.7662



10.4781, 12.5877, 12.9961



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.3750, 27.9579, 24.1670



30.1510, 48.7457, 38.7213



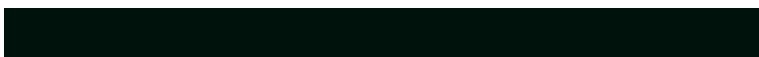
18.5531, 24.0465, 37.3832



7.1713, 7.9693, 8.5140



12.2436, 21.1838, 14.2651



0.2782, 0.4535, 0.4100

Inverse Universe

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



18.3802, 11.6356, 12.1045



30.1971, 17.1041, 15.5158



18.0406, 12.9564, 5.8252



7.1704, 7.1246, 7.8837



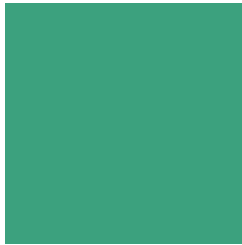
12.3226, 6.2851, 3.6234



0.2805, 0.1407, 0.1900

Previews

White Background



This preview shows how the XYZ color 18.3742, 27.9568, 24.1664 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



This preview shows how the XYZ color 18.3742, 27.9568, 24.1664 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 18.3742, 27.9568, 24.1664

Background



This preview shows how black text looks on a background with the XYZ color 18.3742, 27.9568, 24.1664.



This preview shows how white text looks on a background with the XYZ color 18.3742, 27.9568,

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

18.3742, 27.9568, 24.1664

Protanopia

25.9822, 27.6047, 20.7884

Deuteranopia

28.0855, 27.4970, 25.2999



Tritanopia

21.7697, 27.8063, 41.2656

Trichromacy



Original Color

18.3742, 27.9568, 24.1664



Protanomaly

21.9043, 27.0907, 21.8438



Deuteranomaly

22.6988, 26.5027, 24.6881



Tritanomaly

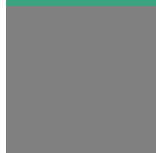
20.3325, 27.7159, 34.4151

Monochromacy



Original Color

18.3742, 27.9568, 24.1664



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

18.6569, 22.8811, 23.5118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3742, 27.9568, 24.1664 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(60, 161, 126)` looks like.

```
.text, #text, p{  
    color:rgb(60, 161, 126)  
}
```

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(60, 161, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 161, 126) }
```

Border

The CSS property to change the border of an element to XYZ 18.3742, 27.9568, 24.1664 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(60, 161, 126) }
```


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

```
.border{ border-color:rgb(60, 161, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 161, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 161, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 161, 126);  
box-shadow:4px 4px 4px 4px rgb(60, 161,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3742, 27.9568, 24.1664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 161, 126) }
```

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

```
.background{ background-color: rgb(60, 161,  
126) }
```

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