

Converting Colors

XYZ(16.6889, 27.9007, 11.7759)

Have a look what the booklet for
XYZ(16.6889, 27.9007, 11.7759)
contains.

XYZ(16.6523, 27.8683, 11.7092)	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(16.6523, 27.8683,
11.7092)**

Conversions

Conversions Part 1

Format	Color
Hex	41A34E
RGB	65, 163, 78
RGB Percent	25%, 64%, 31%
CMY	0.7451, 0.3608, 0.6941
CMYK	0.60, 0.00, 0.52, 0.36
HSL	128°, 43%, 45%
HSV	128°, 60%, 64%
XYZ	16.6523, 27.8683, 11.7092
YIQ	124.0080, -31.1230, -47.2110

Conversions

Conversions Part 2

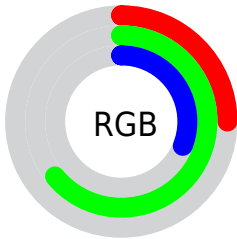
Format	Color
RYB	65, 152, 163
Decimal	4301646
CIELab	59.77, -46.81, 35.53
CIELCh	60, 58.769, 142.804
Yxy	27.8683, 0.2961, 0.4956
Android (android.graphics.Color)	4282491726 (0xFF41A34E)
YUV	124.0080, -22.6819, -51.7500
Hunter-Lab	52.7904, -36.0769, 23.8025

Details

The XYZ color **16.6523, 27.8683, 11.7092** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **22.5003, 13.7695, 30.3264**, and the grayscale version is **19.2421, 20.2441, 22.0459**.

A 20% lighter version of the original color is **37.3200, 56.3856, 29.6854**, and **5.7977, 11.2406, 3.0265** is the 20% darker color. If you saturate the color by 10%, you get **15.2715, 27.2097, 9.2774**, and if you desaturate by 10%, it is **18.4548, 28.7333, 14.7308**.

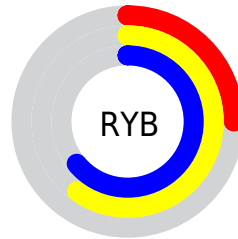
Distribution



Red (25%)

Green (64%)

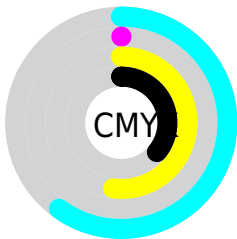
Blue (31%)



Red (25%)

Yellow (60%)

Blue (64%)

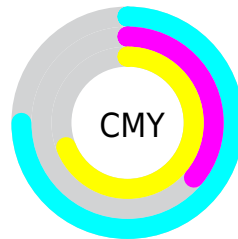


Cyan (60%)

Magenta (0%)

Yellow (52%)

Black (36%)



Cyan (75%)

Magenta (36%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6523, 27.8683, 11.7092 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 16.6523, 27.8683, 11.7092 by changing the saturation by 10% instead.

■ 16.6523, 27.8683,
11.7092

■ 16.6523, 27.8683,
11.7092

226.3562,
291.8371, 213.3796

■ 10.0807, 18.2264,
6.4259

■ 37.2754, 56.2741,
29.6208

■ 5.5152, 11.1127,
3.0328

■ 52.0575, 75.8068,
43.0861

■ 2.5904, 6.1427,
1.1114

■ 70.3072, 99.4052,
60.1159

■ 0.9411, 2.9320,
0.0000

■ 92.3897, 127.4538,
81.1285

■ 0.0000, 1.0963,
0.0000

■ 118.6706,
160.3368, 106.5427

■ 0.0000, 0.0000,
0.0000

149.5150,

198.4388, 136.7769

185.2884,
242.1441, 172.2497

■ 16.6523, 27.8683,
11.7092

■ 16.6523, 27.8683,
11.7092

■ 15.2715, 27.2097,
9.2774

■ 18.4548, 28.7333,
14.7308

■ 14.2758, 26.7370,
7.3952

■ 20.7078, 29.8165,
18.3753

■ 13.6254, 26.4315,
6.0200

■ 23.4398, 31.1325,
22.6756

■ 13.2390, 26.2520,
5.1097

■ 26.6764, 32.6940,
27.6617

■ 30.4414, 34.5127,
33.3618

■ 34.7571, 36.5994,
39.8024

■ 39.6443, 38.9644,
47.0089

■ 45.1231, 41.6175,
55.0051

■ 51.2123, 44.5680,
63.8141

Harmonies

Analogous

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



21.3235, 27.8683, 6.0841



16.6523, 27.8683, 11.7092



14.6834, 27.8683, 25.4976

Triad

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



16.6523, 27.8683, 11.7092



24.7368, 27.8683, 91.8050



41.9771, 27.8683, 17.0784

Complementary

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



16.6523, 27.8683, 11.7092



22.5003, 13.7695, 30.3264

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.



43.3581, 27.8683, 35.7683



16.6523, 27.8683, 11.7092



32.4256, 27.8683, 85.9146

Square

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



16.6523, 27.8683, 11.7092



18.7497, 27.8683, 76.0512



39.5891, 27.8683, 62.4448



36.1071, 27.8683, 8.0161

Rectangle

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



16.6523, 27.8683, 11.7092



14.8479, 27.8683, 40.3542



39.5891, 27.8683, 62.4448



43.0215, 27.8683, 22.1431

Sweetspot

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



16.6530, 27.8695, 11.7098



48.9092, 59.0984, 51.2693



26.9204, 33.2111, 9.9926



10.5897, 13.0825, 10.9121



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.6530, 27.8695, 11.7098



26.7041, 48.4215, 15.4279



19.0073, 28.8112, 24.1075



7.0220, 7.9096, 7.7279



10.2989, 20.4059, 4.0248



0.2269, 0.4330, 0.1396

Inverse Universe

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



22.5003, 13.7695, 30.3264



38.0797, 20.8807, 51.5634



19.4218, 12.5381, 14.1150



7.3237, 7.1859, 8.6911



15.5090, 7.5597, 20.4028



0.3364, 0.1630, 0.4839

Previews

White Background



This preview shows how the XYZ color 16.6523, 27.8683, 11.7092 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 16.6523, 27.8683, 11.7092 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 16.6523, 27.8683, 11.7092

Background



This preview shows how black text looks on a background with the XYZ color 16.6523, 27.8683, 11.7092.



This preview shows how white text looks on a background with the XYZ color 16.6523, 27.8683,

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

16.6523, 27.8683, 11.7092

Protanopia

25.0603, 27.3690, 9.9232

Deuteranopia

27.8994, 27.2629, 12.3861



Tritanopia

22.2987, 27.6103, 40.2305

Trichromacy



Original Color

16.6523, 27.8683, 11.7092



Protanomaly

20.4546, 26.5922, 10.5333



Deuteranomaly

21.6334, 26.2353, 11.9064



Tritanomaly

19.6683, 27.5406, 26.8335

Monochromacy



Original Color

16.6523, 27.8683, 11.7092



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.3358, 22.1221, 17.2662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6523, 27.8683, 11.7092 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(65, 163, 78)` looks like.

```
.text, #text, p{  
    color:rgb(65, 163, 78)  
}
```

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(65, 163, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 163, 78) }
```

Border

The CSS property to change the border of an element to XYZ 16.6523, 27.8683, 11.7092 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(65, 163, 78) }
```


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

```
.border{ border-color:rgb(65, 163, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 163, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 163, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 163, 78);  
box-shadow:4px 4px 4px 4px rgb(65, 163,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6523, 27.8683, 11.7092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 163, 78) }
```

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

```
.background{ background-color: rgb(65, 163,  
78) }
```

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