

Converting Colors

XYZ(17.3001, 32.4556, 11.2007)

Have a look what the booklet for
XYZ(17.3001, 32.4556, 11.2007)
contains.

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Color

**XYZ(17.2753, 32.4116,
11.1399)**

Conversions

Conversions Part 1

Format	Color
Hex	12B246
RGB	18, 178, 70
RGB Percent	7%, 70%, 27%
CMY	0.9294, 0.3019, 0.7255
CMYK	0.90, 0.00, 0.61, 0.30
HSL	140°, 82%, 38%
HSV	140°, 90%, 70%
XYZ	17.2753, 32.4116, 11.1399
YIQ	117.8480, -60.6920, -67.5080

Conversions

Conversions Part 2

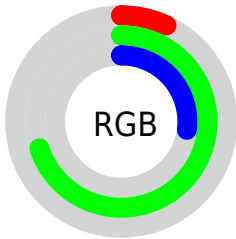
Format	Color
RYB	18, 139, 178
Decimal	1225286
CIELab	63.68, -60.23, 43.84
CIELCh	64, 74.496, 143.949
Yxy	32.4116, 0.2840, 0.5329
Android (android.graphics.Color)	4279415366 (0xFF12B246)
YUV	117.8480, -23.5891, -87.5667
Hunter-Lab	56.9312, -45.4652, 28.2504

Details

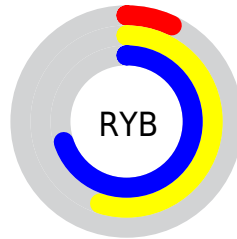
The XYZ color **17.2753, 32.4116, 11.1399** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **22.3430, 11.4043, 20.7623**, and the grayscale version is **17.2579, 18.1567, 19.7726**.

A 20% lighter version of the original color is **38.3668, 63.4745, 28.6420**, and **7.3012, 14.4527, 2.8951** is the 20% darker color. If you saturate the color by 10%, you get **16.6870, 32.1488, 9.3272**, and if you desaturate by 10%, it is **18.1653, 32.8230, 13.3643**.

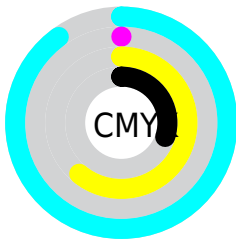
Distribution



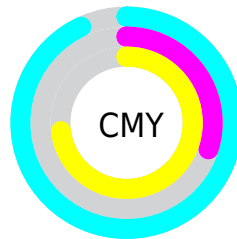
- Red (7%)
- Green (70%)
- Blue (27%)



- Red (7%)
- Yellow (55%)
- Blue (70%)



- Cyan (90%)
- Magenta (0%)
- Yellow (61%)
- Black (30%)



- Cyan (93%)
- Magenta (30%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2753, 32.4116, 11.1399 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 17.2753, 32.4116, 11.1399 by changing the saturation by 10% instead.

■ 17.2753, 32.4116,
11.1399

■ 17.2753, 32.4116,
11.1399

229.8793,
312.9900, 209.3966

■ 10.5275, 21.6761,
6.0457

■ 38.3384, 63.4558,
28.5592

■ 5.8150, 13.6191,
2.8036

■ 53.3843, 84.5333,
41.7213

■ 2.7725, 7.8562,
0.9953

■ 71.9270, 109.8268,
58.4098

■ 1.0346, 4.0031,
0.0000

■ 94.3318, 139.7209,
79.0431

■ 0.0000, 1.6753,
0.0000

■ 120.9641,
174.5998, 104.0400

■ 0.0000, 0.4076,
0.0000

■ 152.1892,

■ 0.0000, 0.0000,

214.8481, 133.8188

0.0000

188.3725,
260.8500, 168.7982

■ 17.2753, 32.4116,
11.1399

■ 17.2753, 32.4116,
11.1399

■ 16.6870, 32.1488,
9.3272

■ 18.1653, 32.8230,
13.3643

■ 16.6810, 32.1461,
9.3091

■ 19.4429, 33.4241,
16.0242

■ 21.1531, 34.2385,
19.1426

■ 23.3340, 35.2854,
22.7401

■ 26.0191, 36.5818,
26.8362

■ 29.2390, 38.1429,
31.4491

■ 33.0217, 39.9830,
36.5961

■ 37.3930, 42.1149,
42.2937

■ 42.3774, 44.5510,
48.5578

Harmonies

Analogous

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



23.3645, 32.4116, 4.5297



17.2753, 32.4116, 11.1399



14.8627, 32.4116, 29.5787

Triad

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



17.2753, 32.4116, 11.1399



28.7412, 32.4116, 128.6983



52.9976, 32.4116, 16.7398

Complementary

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



17.2753, 32.4116, 11.1399



22.3430, 11.4043, 20.7623

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.



55.3491, 32.4116, 41.6945



17.2753, 32.4116, 11.1399



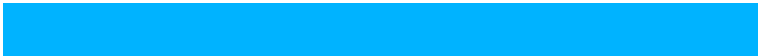
39.6809, 32.4116, 118.0533

Square

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



17.2753, 32.4116, 11.1399



20.4511, 32.4116, 105.0289



50.0214, 32.4116, 81.0044



44.1730, 32.4116, 6.2505

Rectangle

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



17.2753, 32.4116, 11.1399



15.1596, 32.4116, 51.0181



50.0214, 32.4116, 81.0044



54.6434, 32.4116, 23.1815

Sweetspot

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



17.2761, 32.4129, 11.1406



54.5861, 69.9275, 59.1980



24.8327, 36.4236, 6.2939



11.6149, 15.2599, 12.4502



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



17.2761, 32.4129, 11.1406



30.1551, 58.2551, 16.3872



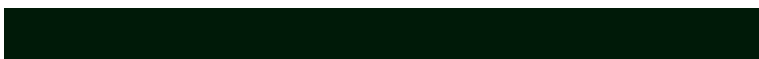
21.5689, 34.1301, 33.7465



8.4991, 9.5341, 9.6217



11.9611, 23.0104, 6.7979



0.4038, 0.7350, 0.3586

Inverse Universe

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



22.3430, 11.4043, 20.7623



39.3492, 19.5859, 33.4397



19.0970, 10.1059, 3.6689



8.7302, 8.5988, 10.0777



15.5988, 7.7571, 13.5790



0.5162, 0.2542, 0.5609

Previews

White Background



This preview shows how the XYZ color 17.2753, 32.4116, 11.1399 looks on a white background.

Color Contrast Check

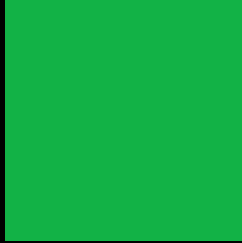
Large Text (above 18pt) WCAG AA × Fail

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 17.2753, 32.4116, 11.1399 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 ✓ Pass

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

XYZ 17.2753, 32.4116, 11.1399

Background



This preview shows how black text looks on a background with the XYZ color 17.2753, 32.4116, 11.1399.



This preview shows how white text looks on a background with the XYZ color 17.2753, 32.4116,

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

17.2753, 32.4116, 11.1399

Protanopia

28.8660, 31.6874, 9.2975

Deuteranopia

32.4292, 31.8136, 11.8286



Tritanopia

24.7294, 32.3104, 48.1132

Trichromacy



Original Color

17.2753, 32.4116, 11.1399



Protanomaly

20.9739, 29.8788, 9.8160



Deuteranomaly

22.1356, 29.4111, 11.3477



Tritanomaly

20.7127, 31.7493, 29.8475

Monochromacy



Original Color

17.2753, 32.4116, 11.1399



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.2067, 21.4896, 15.6583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2753, 32.4116, 11.1399 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(18, 178, 70)` looks like.

```
.text, #text, p{  
    color:rgb(18, 178, 70)  
}
```

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(18, 178, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 178, 70) }
```

Border

The CSS property to change the border of an element to XYZ 17.2753, 32.4116, 11.1399 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(18, 178, 70) }
```


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

```
.border{ border-color:rgb(18, 178, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 178, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 178, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 178, 70);  
box-shadow:4px 4px 4px 4px rgb(18, 178,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2753, 32.4116, 11.1399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 178, 70) }
```

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

```
.background{ background-color: rgb(18, 178,  
70) }
```

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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