

Converting Colors

XYZ(16.9873, 32.4270, 10.4334)

Have a look what the booklet for
XYZ(16.9873, 32.4270, 10.4334)
contains.

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Color

**XYZ(17.0742, 32.6219,
10.3978)**

Conversions

Conversions Part 1

Format	Color
Hex	00B341
RGB	0, 179, 65
RGB Percent	0%, 70%, 25%
CMY	1.0000, 0.2980, 0.7451
CMYK	1.00, 0.00, 0.64, 0.30
HSL	142°, 100%, 35%
HSV	142°, 100%, 70%
XYZ	17.0742, 32.6219, 10.3978
YIQ	112.4830, -70.0900, -73.4020

Conversions

Conversions Part 2

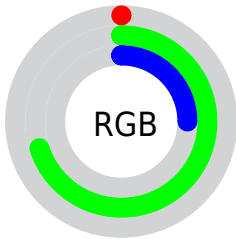
Format	Color
RYB	0, 131, 179
Decimal	45889
CIELab	63.85, -62.07, 46.26
CIELCh	64, 77.417, 143.304
Yxy	32.6219, 0.2841, 0.5428
Android (android.graphics.Color)	4278235969 (0xFF00B341)
YUV	112.4830, -23.4091, -98.6476
Hunter-Lab	57.1156, -46.5913, 29.1873

Details

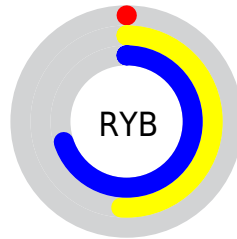
The XYZ color **17.0742, 32.6219, 10.3978** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **21.6284, 10.7990, 16.8640**, and the grayscale version is **15.6254, 16.4392, 17.9023**.

A 20% lighter version of the original color is **37.9257, 63.7082, 27.1276**, and **7.3665, 14.6804, 2.6176** is the 20% darker color. If you saturate the color by 10%, you get **17.0750, 32.6233, 10.3985**, and if you desaturate by 10%, it is **17.6870, 32.8966, 12.3288**.

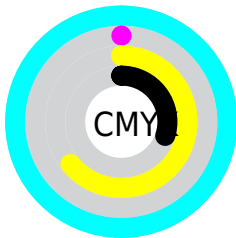
Distribution



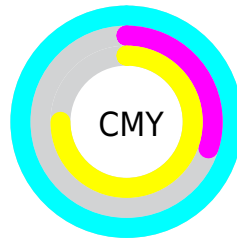
- Red (0%)
- Green (70%)
- Blue (25%)



- Red (0%)
- Yellow (51%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0742, 32.6219, 10.3978 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 17.0742, 32.6219, 10.3978 by changing the saturation by 10% instead.

■ 17.0742, 32.6219,
10.3978

■ 17.0742, 32.6219,
10.3978

228.7475,
313.9425, 204.0750

■ 10.3830, 21.8370,
5.5545

■ 37.9959, 63.7848,
27.1605

■ 5.7179, 13.7371,
2.5117

■ 52.9571, 84.9315,
39.9170

■ 2.7133, 7.9381,
0.8464

■ 71.4058, 110.3009,
56.1482

■ 1.0040, 4.0553,
0.0000

■ 93.7072, 140.2774,
76.2727

■ 0.0000, 1.7046,
0.0000

■ 120.2267,
175.2455, 100.7092

■ 0.0000, 0.4266,
0.0000

■ 151.3297,

■ 0.0000, 0.0000,

215.5894, 129.8760

0.0000

187.3815,
261.6936, 164.1918

■ 17.0742, 32.6219,
10.3978

■ 17.0742, 32.6219,
10.3978

■ 17.0750, 32.6233,
10.3985

■ 17.6870, 32.8966,
12.3288

■ 18.5947, 33.3144,
14.6402

■ 19.8880, 33.9223,
17.3549

■ 21.6111, 34.7430,
20.4918

■ 23.8020, 35.7955,
24.0682

■ 26.4942, 37.0970,
28.1008

■ 29.7181, 38.6626,
32.6050

■ 33.5016, 40.5065,
37.5957

■ 37.8705, 42.6417,
43.0871

Harmonies

Analogous

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



23.4440, 32.6219, 4.0165



17.0742, 32.6219, 10.3978



14.5232, 32.6219, 28.9810

Triad

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



17.0742, 32.6219, 10.3978



28.6300, 32.6219, 134.4505



54.4638, 32.6219, 16.6975

Complementary

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



17.0742, 32.6219, 10.3978



21.6284, 10.7990, 16.8640

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.



56.7727, 32.6219, 42.9746



17.0742, 32.6219, 10.3978



40.0413, 32.6219, 123.8616

Square

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



17.0742, 32.6219, 10.3978



20.1090, 32.6219, 108.4798



50.9888, 32.6219, 84.7041



45.2641, 32.6219, 5.8818

Rectangle

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



17.0742, 32.6219, 10.3978



14.7772, 32.6219, 51.1689



50.9888, 32.6219, 84.7041



56.1482, 32.6219, 23.4387

Sweetspot

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



17.0750, 32.6233, 10.3985



52.9059, 69.0870, 57.9628



23.3701, 35.9787, 5.7129



11.1664, 15.0365, 12.0777



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.



17.0750, 32.6233, 10.3985



30.4814, 58.3857, 18.1055



21.8008, 34.5136, 35.2842



8.5123, 9.5394, 9.6913



12.0943, 23.0637, 7.4996



0.4091, 0.7371, 0.3866

Inverse Universe

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



21.6284, 10.7990, 16.8640



38.6231, 19.2954, 29.6157



18.7873, 9.6626, 1.9027



8.7164, 8.5933, 10.0053



15.3151, 7.6436, 12.0851



0.5087, 0.2512, 0.5213

Previews

White Background



This preview shows how the XYZ color 17.0742, 32.6219, 10.3978 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 17.0742, 32.6219, 10.3978 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 17.0742, 32.6219, 10.3978

Background



This preview shows how black text looks on a background with the XYZ color 17.0742, 32.6219, 10.3978.



This preview shows how white text looks on a background with the XYZ color 17.0742, 32.6219,

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

17.0742, 32.6219, 10.3978

Protanopia

29.1139, 32.0746, 8.6595

Deuteranopia

32.5351, 31.8846, 11.0962



Tritanopia

25.0156, 32.7192, 48.7130

Trichromacy



Original Color

17.0742, 32.6219, 10.3978



Protanomaly

20.2462, 29.7825, 9.0964



Deuteranomaly

21.1099, 28.9017, 10.4272



Tritanomaly

20.5394, 31.9500, 29.5105

Monochromacy



Original Color

17.0742, 32.6219, 10.3978



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.4683, 19.7741, 13.9334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0742, 32.6219, 10.3978 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(0, 179, 65)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 65)  
}
```

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(0, 179, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 65) }
```

Border

The CSS property to change the border of an element to XYZ 17.0742, 32.6219, 10.3978 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(0, 179, 65) }
```


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

```
.border{ border-color:rgb(0, 179, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 65);  
box-shadow:4px 4px 4px 4px rgb(0, 179, 65)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.0742, 32.6219, 10.3978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 65) }
```

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

```
.background{ background-color: rgb(0, 179,  
65) }
```

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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