

Converting Colors

XYZ(17.0853, 32.5893, 5.3899)

Have a look what the booklet for
XYZ(17.0853, 32.5893, 5.3899)
contains.

XYZ(17.2023, 32.7981, 5.4240)	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(17.2023, 32.7981,
5.4240)**

Conversions

Conversions Part 1

Format	Color
Hex	2DB300
RGB	45, 179, 0
RGB Percent	18%, 70%, 0%
CMY	0.8235, 0.2980, 0.9999
CMYK	0.75, 0.00, 1.00, 0.30
HSL	105°, 100%, 35%
HSV	105°, 100%, 70%
XYZ	17.2023, 32.7981, 5.4240
YIQ	118.5280, -22.4050, -84.0770

Conversions

Conversions Part 2

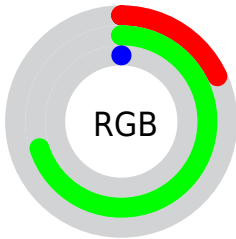
Format	Color
RYB	0, 179, 134
Decimal	2994944
CIELab	64.00, -61.99, 64.34
CIElCh	64, 89.341, 133.935
Yxy	32.7981, 0.3104, 0.5918
Android (android.graphics.Color)	4281185024 (0xFF2DB300)
YUV	118.5280, -58.4343, -64.4841
Hunter-Lab	57.2696, -46.6051, 34.4734

Details

The XYZ color **17.2023, 32.7981, 5.4240** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **17.9720, 8.3252, 43.3093**, and the grayscale version is **17.5704, 18.4854, 20.1306**.

A 20% lighter version of the original color is **38.2394, 64.0901, 17.1927**, and **7.3336, 14.6672, 2.4445** is the 20% darker color. If you saturate the color by 10%, you get **17.2024, 32.7991, 5.4242**, and if you desaturate by 10%, it is **17.9977, 33.1966, 6.0277**.

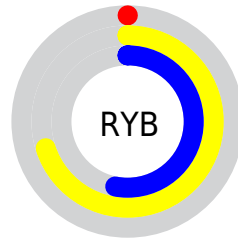
Distribution



Red (18%)

Green (70%)

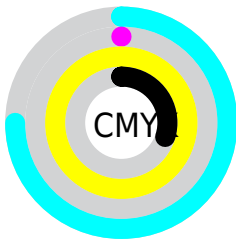
Blue (0%)



Red (0%)

Yellow (70%)

Blue (53%)

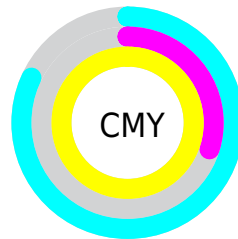


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (82%)

Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2023, 32.7981, 5.4240 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 17.2023, 32.7981, 5.4240 by changing the saturation by 10% instead.

■ 17.2023, 32.7981,
5.4240

■ 17.2023, 32.7981,
5.4240

229.4691,
314.7390, 162.9378

■ 10.4750, 21.9718,
2.4351

■ 38.2141, 64.0602,
17.1796

■ 5.7797, 13.8362,
0.8054

■ 53.2294, 85.2648,
26.7834

■ 2.7510, 8.0068,
0.0000

■ 71.7380, 110.6976,
39.4293

■ 1.0235, 4.0993,
0.0000

■ 94.1053, 140.7431,
55.5357

■ 0.0000, 1.7293,
0.0000

■ 120.6967,
175.7855, 75.5212

■ 0.0000, 0.4425,
0.0000

■ 151.8776,

■ 0.0000, 0.0000,

216.2094, 99.8044

0.0000

188.0133,
262.3991, 128.8037

17.2023, 32.7981,
5.4240

17.2023, 32.7981,
5.4240

17.2024, 32.7991,
5.4242

17.9977, 33.1966,
6.0277

19.0943, 33.7380,
7.1602

20.5450, 34.4462,
9.0214

22.3808, 35.3350,
11.7066

24.6290, 36.4168,
15.2969

■ 27.3141, 37.7028,
19.8636

■ 30.4589, 39.2031,
25.4709

■ 34.0842, 40.9274,
32.1774

■ 38.2096, 42.8844,
40.0375

Harmonies

Analogous

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



25.6946, 32.7981, 1.8283



17.2023, 32.7981, 5.4240



13.2051, 32.7981, 19.7447

Triad

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



17.2023, 32.7981, 5.4240



24.9376, 32.7981, 152.5190



61.1014, 32.7981, 21.4705

Complementary

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



17.2023, 32.7981, 5.4240



17.9720, 8.3252, 43.3093

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.



60.7371, 32.7981, 58.5626



17.2023, 32.7981, 5.4240



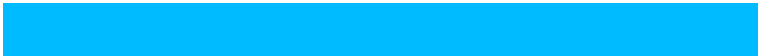
37.3809, 32.7981, 154.2826

Square

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



17.2023, 32.7981, 5.4240



16.7775, 32.7981, 108.7443



51.1899, 32.7981, 112.6201



52.0812, 32.7981, 5.9598

Rectangle

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



17.2023, 32.7981, 5.4240



12.7099, 32.7981, 40.6893



51.1899, 32.7981, 112.6201



62.1346, 32.7981, 31.1573

Sweetspot

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



17.2031, 32.7995, 5.4247



54.2373, 70.0605, 45.0499



26.7444, 25.8904, 3.5883



11.4776, 15.2651, 9.0111



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.



17.2031, 32.7995, 5.4247



30.6342, 58.6505, 9.7061



16.5350, 32.4073, 7.5537



8.5825, 9.5899, 9.0512



12.2073, 23.2032, 3.8353



0.4386, 0.7582, 0.1232

Inverse Universe

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



17.9720, 8.3252, 43.3093



31.9683, 14.7969, 77.5523



23.1240, 11.3975, 24.7384



8.6373, 8.5371, 10.6989



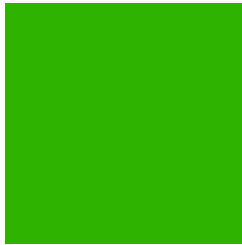
12.7607, 5.9142, 30.6060



0.4513, 0.2117, 0.9653

Previews

White Background



This preview shows how the XYZ color 17.2023, 32.7981, 5.4240 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 17.2023, 32.7981, 5.4240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

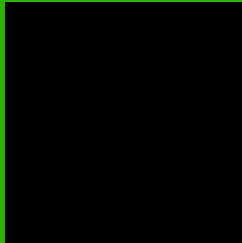
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 17.2023, 32.7981, 5.4240

Background



This preview shows how black text looks on a background with the XYZ color 17.2023, 32.7981, 5.4240.



This preview shows how white text looks on a background with the XYZ color 17.2023, 32.7981,

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

17.2023, 32.7981, 5.4240

Protanopia

29.0112, 32.1099, 4.6688

Deuteranopia

32.6211, 32.0352, 6.2978



Tritanopia

25.6207, 32.4990, 48.1026

Trichromacy



Original Color

17.2023, 32.7981, 5.4240



Protanomaly

21.8496, 30.7064, 4.7753



Deuteranomaly

23.0392, 30.0086, 5.4421



Tritanomaly

20.1832, 31.6657, 21.2680

Monochromacy



Original Color

17.2023, 32.7981, 5.4240



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.2430, 21.8469, 10.2510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2023, 32.7981, 5.4240 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(45, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(45, 179, 0)  
}
```

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(45, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 179, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.2023, 32.7981, 5.4240 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(45, 179, 0) }
```


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

```
.border{ border-color:rgb(45, 179, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(45, 179, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.2023, 32.7981, 5.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 179, 0) }
```

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

```
.background{ background-color: rgb(45, 179,  
0) }
```

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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