

Converting Colors

XYZ(18.2888, 32.4621, 5.3024)

Have a look what the booklet for
XYZ(18.2888, 32.4621, 5.3024)
contains.

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Color

**XYZ(18.2730, 32.4671,
5.3037)**

Conversions

Conversions Part 1

Format	Color
Hex	49B000
RGB	73, 176, 0
RGB Percent	29%, 69%, 0%
CMY	0.7137, 0.3098, 0.9999
CMYK	0.59, 0.00, 1.00, 0.31
HSL	95°, 100%, 35%
HSV	95°, 100%, 69%
XYZ	18.2730, 32.4671, 5.3037
YIQ	125.1390, -4.8920, -76.5720

Conversions

Conversions Part 2

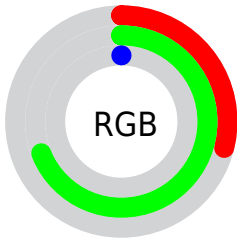
Format	Color
RYB	0, 176, 103
Decimal	4829184
CIELab	63.73, -55.07, 64.42
CIELCh	64, 84.753, 130.529
Yxy	32.4671, 0.3260, 0.5793
Android (android.graphics.Color)	4283019264 (0xFF49B000)
YUV	125.1390, -61.6935, -45.7259
Hunter-Lab	56.9799, -42.4713, 34.3672

Details

The XYZ color **18.2730, 32.4671, 5.3037** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **13.4329, 6.0199, 41.5300**, and the grayscale version is **19.7440, 20.7722, 22.6210**.

A 20% lighter version of the original color is **40.1163, 63.7862, 17.0351**, and **6.9595, 13.9191, 2.3198** is the 20% darker color. If you saturate the color by 10%, you get **18.2729, 32.4680, 5.3039**, and if you desaturate by 10%, it is **19.2260, 32.9471, 5.9021**.

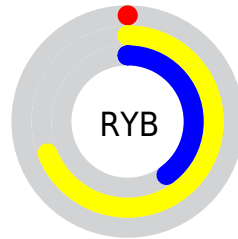
Distribution



Red (29%)

Green (69%)

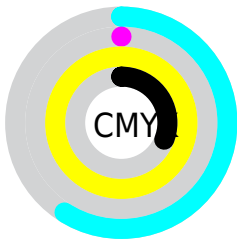
Blue (0%)



Red (0%)

Yellow (69%)

Blue (40%)

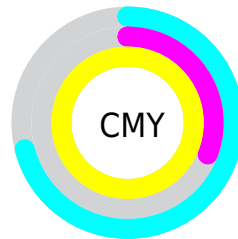


Cyan (59%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (71%)

Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2730, 32.4671, 5.3037 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 18.2730, 32.4671, 5.3037 by changing the saturation by 10% instead.

■ 18.2730, 32.4671,
5.3037

■ 18.2730, 32.4671,
5.3037

235.4213,
313.2416, 161.7694

■ 11.2470, 21.7185,
2.3647

■ 40.0284, 63.5426,
16.9196

■ 6.3018, 13.6502,
0.7671

■ 55.4886, 84.6384,
26.4335

■ 3.0718, 7.8778,
0.0000

■ 74.4908, 109.9520,
38.9762

■ 1.1919, 4.0169,
0.0000

■ 97.4006, 139.8678,
54.9661

■ 0.0999, 1.6830,
0.0000

■ 124.5831,
174.7703, 74.8219

■ 0.0000, 0.4126,
0.0000

■ 156.4039,

■ 0.0000, 0.0000,

215.0439, 98.9620

0.0000

193.2281,
261.0728, 127.8050

18.2730, 32.4671,
5.3037

18.2730, 32.4671,
5.3037

18.2729, 32.4680,
5.3039

19.2260, 32.9471,
5.9021

20.4081, 33.5334,
7.0041

21.8622, 34.2447,
8.8039

23.6109, 35.0907,
11.3926

25.6739, 36.0798,
14.8476

■ 28.0686, 37.2197,
19.2369

■ 30.8113, 38.5172,
24.6217

■ 33.9169, 39.9790,
31.0583

■ 37.3994, 41.6110,
38.5984

Harmonies

Analogous

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



26.8722, 32.4671, 2.1592



18.2730, 32.4671, 5.3037



13.9503, 32.4671, 17.7277

Triad

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



18.2730, 32.4671, 5.3037



23.8569, 32.4671, 139.7806



59.1892, 32.4671, 24.6983

Complementary

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



18.2730, 32.4671, 5.3037



13.4329, 6.0199, 41.5300

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.



57.7782, 32.4671, 61.9338



18.2730, 32.4671, 5.3037



35.2219, 32.4671, 146.4830

Square

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



18.2730, 32.4671, 5.3037



16.5548, 32.4671, 97.1409



48.2006, 32.4671, 111.9815



51.6693, 32.4671, 7.6107

Rectangle

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



18.2730, 32.4671, 5.3037



13.1957, 32.4671, 35.9581



48.2006, 32.4671, 111.9815



59.7831, 32.4671, 34.7511

Sweetspot

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



18.2737, 32.4685, 5.3044



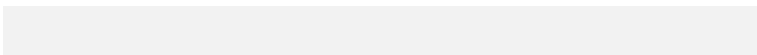
55.5966, 69.7214, 44.0839



22.7234, 18.8667, 2.4445



11.5918, 14.8939, 8.6439



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.2737, 32.4685, 5.3044



32.8954, 58.7580, 9.6077



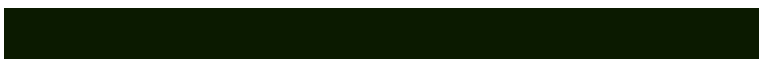
15.6102, 31.0857, 5.6176



8.7117, 9.6565, 9.0573



13.4700, 23.8541, 3.8944



0.4909, 0.7851, 0.1257

Inverse Universe

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



13.4329, 6.0199, 41.5300



24.0961, 10.7802, 75.3061



24.3683, 11.8160, 34.8710



8.5025, 8.4676, 10.6926



9.9225, 4.4511, 30.4732



0.3767, 0.1733, 0.9618

Previews

White Background



This preview shows how the XYZ color 18.2730, 32.4671, 5.3037 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 18.2730, 32.4671, 5.3037 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 18.2730, 32.4671, 5.3037

Background



This preview shows how black text looks on a background with the XYZ color 18.2730, 32.4671, 5.3037.



This preview shows how white text looks on a background with the XYZ color 18.2730, 32.4671,

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

18.2730, 32.4671, 5.3037

Protanopia

28.7892, 31.9954, 4.6584

Deuteranopia

32.4516, 31.7218, 6.1628



Tritanopia

26.5781, 32.4919, 46.4657

Trichromacy



Original Color

18.2730, 32.4671, 5.3037



Protanomaly

23.2369, 31.1590, 4.7896



Deuteranomaly

24.4478, 30.2324, 5.4111



Tritanomaly

21.2977, 31.4217, 20.5653

Monochromacy



Original Color

18.2730, 32.4671, 5.3037



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.3651, 23.5899, 11.2275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2730, 32.4671, 5.3037 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(73, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 176, 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(73, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 176, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.2730, 32.4671, 5.3037 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(73, 176, 0) }
```


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

```
.border{ border-color:rgb(73, 176, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 176, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(73, 176, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.2730, 32.4671, 5.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 176, 0) }
```

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

```
.background{ background-color: rgb(73, 176,  
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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