

Converting Colors

XYZ(29.5609, 50.4737, 29.2201)

Have a look what the booklet for
XYZ(29.5609, 50.4737, 29.2201)
contains.

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Color

**XYZ(29.5972, 50.4891,
29.3045)**

Conversions

Conversions Part 1

Format	Color
Hex	36D682
RGB	54, 214, 130
RGB Percent	21%, 84%, 51%
CMY	0.7882, 0.1608, 0.4902
CMYK	0.75, 0.00, 0.39, 0.16
HSL	148°, 66%, 53%
HSV	148°, 75%, 84%
XYZ	29.5972, 50.4891, 29.3045
YIQ	156.5840, -68.3960, -60.0440

Conversions

Conversions Part 2

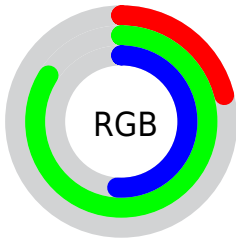
Format	Color
RYB	54, 162, 214
Decimal	3593858
CIELab	76.37, -59.24, 30.13
CIELCh	76, 66.459, 153.043
Yxy	50.4891, 0.2706, 0.4615
Android (android.graphics.Color)	4281783938 (0xFF36D682)
YUV	156.5840, -13.1059, -89.9662
Hunter-Lab	71.0557, -49.9959, 25.2868

Details

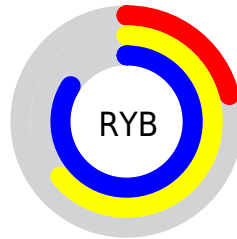
The XYZ color **29.5972, 50.4891, 29.3045** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **33.6399, 18.7707, 25.8973**, and the grayscale version is **31.9413, 33.6048, 36.5956**.

A 20% lighter version of the original color is **52.5801, 79.1916, 57.8617**, and **13.6748, 25.0329, 11.7005** is the 20% darker color. If you saturate the color by 10%, you get **27.9779, 49.7381, 25.5053**, and if you desaturate by 10%, it is **31.8064, 51.5374, 33.5635**.

Distribution



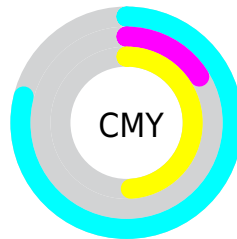
- Red (21%)
- Green (84%)
- Blue (51%)



- Red (21%)
- Yellow (64%)
- Blue (84%)



- Cyan (75%)
- Magenta (0%)
- Yellow (39%)
- Black (16%)




- Cyan (79%)
- Magenta (16%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5972, 50.4891, 29.3045 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 29.5972, 50.4891, 29.3045 by changing the saturation by 10% instead.


 29.5972, 50.4891,
29.3045


 29.5972, 50.4891,
29.3045


291.9660,
388.5756, 312.7547


 19.6796, 35.8022,
19.0637


 58.4156, 90.8991,
59.6085


 12.2693, 24.2815,
11.5391


 78.0471, 117.3910,
80.5088


 7.0008, 15.5425,
6.3119


 101.6473,
148.5867, 105.7993

 3.5090, 9.2010,
2.9638

 129.5816,
184.8705, 135.8986

 1.4283, 4.8725,
1.0762

 162.2152,
226.6270, 171.2253

 0.2762, 2.1727,
0.0000

199.9136,

 0.0000, 0.7050,

274.2403, 212.1979

0.0000

243.0421,
328.0951, 259.2348

■ 0.0000, 0.0000,
0.0000

■ 29.5972, 50.4891,
29.3045

■ 29.5972, 50.4891,
29.3045

■ 27.9779, 49.7381,
25.5053

■ 31.8064, 51.5374,
33.5635

■ 26.8701, 49.2403,
22.1451

■ 34.6629, 52.9082,
38.2948

■ 26.4284, 49.0473,
20.5534

■ 38.2213, 54.6308,
43.5145

■ 42.5289, 56.7292,
49.2370

■ 47.6289, 59.2256,
55.4759

■ 53.5609, 62.1400,
62.2443

■ 60.3620, 65.4913,
69.5547

■ 68.0669, 69.2972,
77.4193

■ 76.7083, 73.5744,
85.8497

Harmonies

Analogous

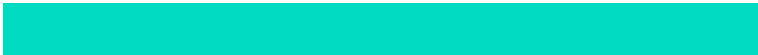
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.0414, 50.4891, 15.1100



29.5972, 50.4891, 29.3045



27.7688, 50.4891, 58.7087

Triad

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



29.5972, 50.4891, 29.3045



49.2753, 50.4891, 156.3191



71.0832, 50.4891, 25.3383

Complementary

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



29.5972, 50.4891, 29.3045



33.6399, 18.7707, 25.8973

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.



76.2081, 50.4891, 51.4012



29.5972, 50.4891, 29.3045



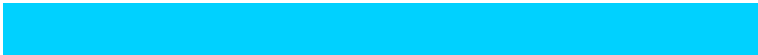
62.3206, 50.4891, 135.2017

Square

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



29.5972, 50.4891, 29.3045



37.8979, 50.4891, 141.9677



72.7536, 50.4891, 92.4482



59.7275, 50.4891, 13.6177

Rectangle

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



29.5972, 50.4891, 29.3045



29.0974, 50.4891, 86.5527



72.7536, 50.4891, 92.4482



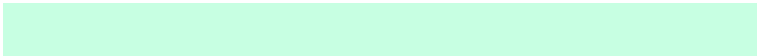
73.6730, 50.4891, 32.1959

Sweetspot

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



29.5985, 50.4911, 29.3057



72.9520, 89.1146, 84.9817



35.4174, 53.8794, 12.0237



15.1259, 18.8343, 17.6174



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.5985, 50.4911, 29.3057



40.5120, 73.4686, 34.7866



37.0369, 53.4665, 68.4758



12.5056, 13.9932, 14.4767



16.0255, 29.6655, 12.6958



1.0082, 1.8060, 0.9852

Inverse Universe

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



33.6399, 18.7707, 25.8973



46.7860, 24.0519, 29.3669



29.8502, 17.2548, 5.9411



12.6929, 12.5287, 14.3230



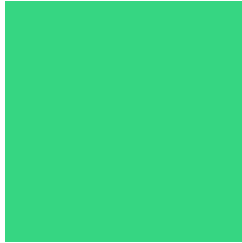
18.5946, 9.3742, 10.4351



1.1633, 0.5821, 0.8491

Previews

White Background



This preview shows how the XYZ color 29.5972, 50.4891, 29.3045 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 29.5972, 50.4891, 29.3045 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 29.5972, 50.4891, 29.3045

Background



This preview shows how black text looks on a background with the XYZ color 29.5972, 50.4891, 29.3045.



This preview shows how white text looks on a background with the XYZ color 29.5972, 50.4891,

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

29.5972, 50.4891, 29.3045

Protanopia

45.7287, 49.5691, 24.6104

Deuteranopia

50.5263, 49.4473, 30.9260



Tritanopia

38.6878, 50.1545, 75.3519

Trichromacy



Original Color

29.5972, 50.4891, 29.3045



Protanomaly

35.9358, 47.7521, 26.0620



Deuteranomaly

37.7200, 46.9221, 29.9905



Tritanomaly

34.4243, 49.8332, 54.8181

Monochromacy



Original Color

29.5972, 50.4891, 29.3045



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.9326, 37.9404, 33.4021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5972, 50.4891, 29.3045 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(54, 214, 130)` looks like.

```
.text, #text, p{  
    color:rgb(54, 214, 130)  
}
```

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(54, 214, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 214, 130) }
```

Border

The CSS property to change the border of an element to XYZ 29.5972, 50.4891, 29.3045 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(54, 214, 130) }
```


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

```
.border{ border-color:rgb(54, 214, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 214, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(54, 214, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(54, 214, 130); box-shadow:4px 4px 4px 4px rgb(54, 214, 130) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5972, 50.4891, 29.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 214, 130) }
```

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

```
.background{ background-color: rgb(54, 214,  
130) }
```

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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