

Converting Colors

XYZ(29.5144, 54.3623, 10.1461)

Have a look what the booklet for
XYZ(29.5144, 54.3623, 10.1461)
contains.

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Color

**XYZ(29.5237, 54.3649,
10.1657)**

Conversions

Conversions Part 1

Format	Color
Hex	4BDF1E
RGB	75, 223, 30
RGB Percent	29%, 87%, 12%
CMY	0.7059, 0.1255, 0.8823
CMYK	0.66, 0.00, 0.87, 0.13
HSL	106°, 76%, 50%
HSV	106°, 87%, 87%
XYZ	29.5237, 54.3649, 10.1657
YIQ	156.7460, -26.2550, -91.3990

Conversions

Conversions Part 2

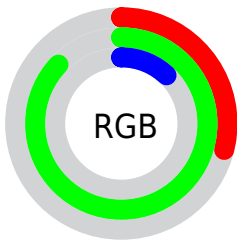
Format	Color
RYB	30, 223, 178
Decimal	4972318
CIELab	78.67, -69.46, 72.50
CIELCh	79, 100.402, 133.772
Yxy	54.3649, 0.3139, 0.5780
Android (android.graphics.Color)	4283162398 (0xFF4BDF1E)
YUV	156.7460, -62.4858, -71.6912
Hunter-Lab	73.7326, -57.5577, 43.4383

Details

The XYZ color **29.5237, 54.3649, 10.1657** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **32.1481, 15.7239, 71.1555**, and the grayscale version is **32.2158, 33.8936, 36.9101**.

A 20% lighter version of the original color is **49.0266, 78.1153, 23.5601**, and **13.6362, 27.2724, 4.5454** is the 20% darker color. If you saturate the color by 10%, you get **28.1700, 53.6909, 9.1001**, and if you desaturate by 10%, it is **31.4396, 55.3089, 12.3045**.

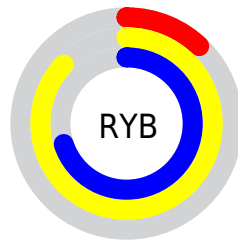
Distribution



Red (29%)

Green (87%)

Blue (12%)



Red (12%)

Yellow (87%)

Blue (70%)

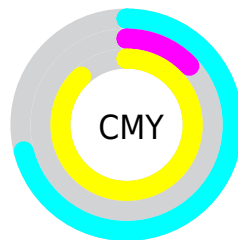


Cyan (66%)

Magenta (0%)

Yellow (87%)

Black (13%)



Cyan (71%)


Magenta (13%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5237, 54.3649, 10.1657 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 29.5237, 54.3649, 10.1657 by changing the saturation by 10% instead.


 29.5237, 54.3649,
10.1657


 29.5237, 54.3649,
10.1657


291.6278,
403.5000, 202.3782


 19.6236, 38.8935,
5.4019


 58.2999, 96.6098,
26.7194

 12.2284, 26.6769,
2.4221


 77.9068, 124.1521,
39.3464


 6.9727, 17.3307,
0.7985


 101.4800,
156.4868, 55.4315

 3.4912, 10.4705,
0.0000

 129.3848,
193.9982, 75.3933

 1.4185, 5.7120,
0.0000

 161.9866,
237.0709, 99.6503

 0.2694, 2.6708,
0.0000

 199.6508,

 0.0000, 0.9624,

286.0891, 128.6211

0.0000

242.7428,
341.4374, 162.7243

■ 0.0000, 0.0000,
0.0000

■ 29.5237, 54.3649,
10.1657

■ 29.5237, 54.3649,
10.1657

■ 28.1700, 53.6909,
9.1001

■ 31.4396, 55.3089,
12.3045


■ 27.8041, 53.5072,
8.8625


■ 33.9774, 56.5444,
15.7108


■ 37.1919, 58.0979,
20.5419


■ 41.1299, 59.9907,
26.9318

■ 45.8343, 62.2422,
34.9987

 51.3441, 64.8703,
44.8494

 57.6959, 67.8917,
56.5821

 64.9236, 71.3218,
70.2876

 73.0595, 75.1755,
86.0508

Harmonies

Analogous

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



43.1143, 54.3649, 3.8626



29.5237, 54.3649, 10.1657



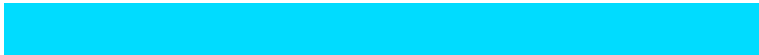
23.0219, 54.3649, 33.6151

Triad

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



29.5237, 54.3649, 10.1657



41.7296, 54.3649, 238.2023



98.2723, 54.3649, 36.8132

Complementary

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



29.5237, 54.3649, 10.1657



32.1481, 15.7239, 71.1555

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.



97.6242, 54.3649, 95.2676



29.5237, 54.3649, 10.1657



61.2937, 54.3649, 241.2817

Square

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



29.5237, 54.3649, 10.1657



28.7347, 54.3649, 171.4707



82.8022, 54.3649, 178.2876



84.3955, 54.3649, 11.2234

Rectangle

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



29.5237, 54.3649, 10.1657



22.1937, 54.3649, 66.6741



82.8022, 54.3649, 178.2876



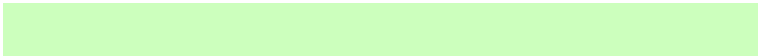
99.8368, 54.3649, 52.2956

Sweetspot

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



29.5250, 54.3672, 10.1669



69.8572, 88.0404, 61.2852



46.5821, 47.6123, 7.9641



14.3644, 18.5642, 12.0532



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.



29.5250, 54.3672, 10.1669



37.5900, 72.4634, 12.0056



28.4277, 53.6550, 16.7368



13.8263, 15.4906, 14.5680



16.4306, 31.5028, 5.2147



1.2174, 2.2241, 0.3651

Inverse Universe

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



32.1481, 15.7239, 71.1555



40.6998, 18.8964, 96.1100



38.2995, 19.5787, 40.5587



13.9663, 13.7662, 17.3087



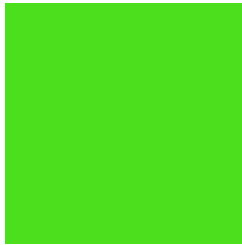
17.8126, 8.2780, 41.7074



1.3114, 0.6133, 2.8945

Previews

White Background



This preview shows how the XYZ color 29.5237, 54.3649, 10.1657 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 29.5237, 54.3649, 10.1657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

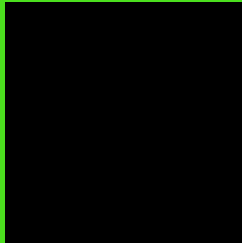
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.5237, 54.3649, 10.1657

Background



This preview shows how black text looks on a background with the XYZ color 29.5237, 54.3649, 10.1657.



This preview shows how white text looks on a background with the XYZ color 29.5237, 54.3649,

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

29.5237, 54.3649, 10.1657

Protanopia

48.1097, 53.0959, 8.3747

Deuteranopia

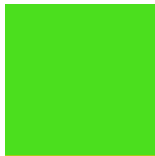
54.2410, 53.0201, 10.9895



Tritanopia

42.9698, 53.7205, 78.6253

Trichromacy



Original Color

29.5237, 54.3649, 10.1657



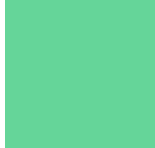
Protanomaly

37.4836, 51.3587, 8.8018



Deuteranomaly

39.7433, 50.4092, 10.2200



Tritanomaly

34.9108, 52.6551, 38.4605

Monochromacy



Original Color

29.5237, 54.3649, 10.1657



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.1455, 38.7075, 21.0268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5237, 54.3649, 10.1657 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(75, 223, 30)` looks like.

```
.text, #text, p{  
  color:rgb(75, 223, 30)  
}
```

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(75, 223, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 223, 30) }
```

Border

The CSS property to change the border of an element to XYZ 29.5237, 54.3649, 10.1657 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(75, 223, 30) }
```


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

```
.border{ border-color:rgb(75, 223, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 223, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 223, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 223, 30);  
box-shadow:4px 4px 4px 4px rgb(75, 223,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5237, 54.3649, 10.1657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 223, 30) }
```

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

```
.background{ background-color: rgb(75, 223,  
30) }
```

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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