

Converting Colors

XYZ(30.0553, 53.2145, 8.6874)

Have a look what the booklet for
XYZ(30.0553, 53.2145, 8.6874)
contains.

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Color

**XYZ(29.9476, 53.0427,
8.6599)**

Conversions

Conversions Part 1

Format	Color
Hex	5EDB00
RGB	94, 219, 0
RGB Percent	37%, 86%, 0%
CMY	0.6314, 0.1412, 0.9999
CMYK	0.57, 0.00, 1.00, 0.14
HSL	94°, 100%, 43%
HSV	94°, 100%, 86%
XYZ	29.9476, 53.0427, 8.6599
YIQ	156.6590, -4.2010, -94.6090

Conversions

Conversions Part 2

Format	Color
RYB	0, 219, 125
Decimal	6216448
CIELab	77.90, -64.51, 75.89
CIELCh	78, 99.600, 130.366
Yxy	53.0427, 0.3268, 0.5788
Android (android.graphics.Color)	4284406528 (0xFF5EDB00)
YUV	156.6590, -77.2329, -54.9519
Hunter-Lab	72.8304, -54.0547, 43.9314

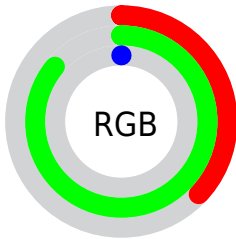
Details

The XYZ color **29.9476, 53.0427, 8.6599** 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 **21.2494, 9.4778, 67.7302**, and the grayscale version is **32.2346, 33.9133, 36.9316**.

A 20% lighter version of the original color is **51.3043, 79.3440, 21.2052**, and **13.0972, 26.1944, 4.3657** is the 20% darker color. If you saturate the color by 10%, you get **29.9470, 53.0440, 8.6602**, and if you desaturate by 10%, it is **31.4804, 53.8179, 9.4842**.

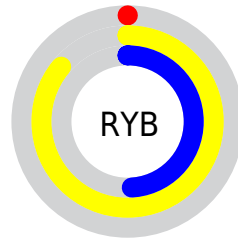
Distribution



Red (37%)

Green (86%)

Blue (0%)



Red (0%)

Yellow (86%)

Blue (49%)

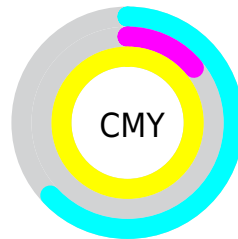


Cyan (57%)

Magenta (0%)

Yellow (100%)

Black (14%)



Cyan (63%)


Magenta (14%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9476, 53.0427, 8.6599 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 29.9476, 53.0427, 8.6599 by changing the saturation by 10% instead.


 29.9476, 53.0427,
8.6599


 29.9476, 53.0427,
8.6599


293.5743,
398.4489, 190.9438

 19.9467, 37.8369,
4.4263


 58.9665, 94.6672,
23.8095


 12.4643, 25.8561,
1.8620


 78.7152, 121.8546,
35.5625

 7.1352, 16.7160,
0.4684


 102.4439,
153.8047, 50.6591

 3.5939, 10.0322,
0.0000

 130.5179,
190.9019, 69.5177

 1.4750, 5.4203,
0.0000

 163.3026,
233.5305, 92.5569

 0.3088, 2.4959,
0.0000

 201.1633,

 0.0000, 0.8746,

282.0749, 120.1953

0.0000

244.4655,
336.9196, 152.8515

■ 0.0000, 0.0000,
0.0000

■ 29.9476, 53.0427,
8.6599

■ 29.9476, 53.0427,
8.6599

■ 29.9470, 53.0440,
8.6602

■ 31.4804, 53.8179,
9.4842

■ 33.3923, 54.7680,
11.1775

■ 35.7467, 55.9212,
14.0225

■ 38.5818, 57.2937,
18.1779

■ 41.9309, 58.8998,
23.7772

■ 45.8235, 60.7520,
30.9376

■ 50.2868, 62.8622,
39.7642

■ 55.3457, 65.2411,
50.3530

■ 61.0238, 67.8987,
62.7927

Harmonies

Analogous

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



44.0104, 53.0427, 3.5550



29.9476, 53.0427, 8.6599



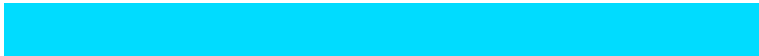
22.8575, 53.0427, 28.8322

Triad

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



29.9476, 53.0427, 8.6599



38.9152, 53.0427, 227.5588



96.6046, 53.0427, 40.6190

Complementary

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



29.9476, 53.0427, 8.6599



21.2494, 9.4778, 67.7302

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.



94.2233, 53.0427, 101.4840



29.9476, 53.0427, 8.6599



57.4137, 53.0427, 238.8606

Square

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



29.9476, 53.0427, 8.6599



27.0422, 53.0427, 157.9531



78.5674, 53.0427, 182.9862



84.4227, 53.0427, 12.5718

Rectangle

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



29.9476, 53.0427, 8.6599



21.6045, 53.0427, 58.4386



78.5674, 53.0427, 182.9862



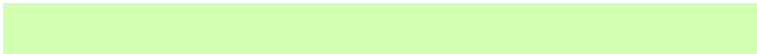
97.5437, 53.0427, 57.0757

Sweetspot

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



29.9488, 53.0450, 8.6611



70.8045, 88.6520, 55.7629



36.4369, 29.5049, 3.7754



14.5621, 18.6952, 10.7441



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.



29.9488, 53.0450, 8.6611



42.1197, 74.7986, 12.2176



25.4166, 50.6989, 8.8844



13.4138, 14.8780, 13.8903



17.8763, 31.5131, 5.1405



1.2555, 2.0918, 0.3376

Inverse Universe

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



21.2494, 9.4778, 67.7302



29.8278, 13.2917, 95.6012



40.1628, 19.4405, 59.0179



13.0467, 12.9822, 16.4703



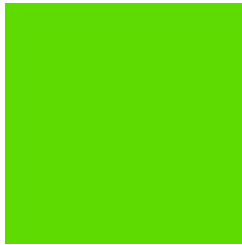
12.7258, 5.6846, 40.1649



0.9224, 0.4188, 2.6067

Previews

White Background



This preview shows how the XYZ color 29.9476, 53.0427, 8.6599 looks on a white background.

Color Contrast Check

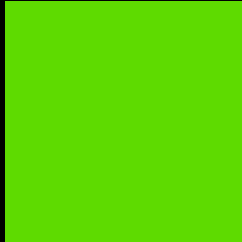
Large Text (above 18pt) WCAG AA × Fail

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 29.9476, 53.0427, 8.6599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

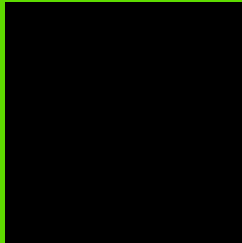
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9476, 53.0427, 8.6599

Background



This preview shows how black text looks on a background with the XYZ color 29.9476, 53.0427, 8.6599.



This preview shows how white text looks on a background with the XYZ color 29.9476, 53.0427,

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

29.9476, 53.0427, 8.6599

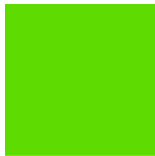
Deuteranopia

52.9522, 51.7703, 9.7865

Tritanopia

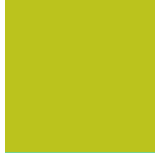
43.2635, 52.8651, 75.6339

Trichromacy



Original Color

29.9476, 53.0427, 8.6599



Deuteranomaly

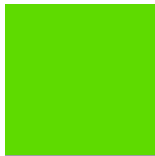
40.2304, 49.6837, 8.6319



Tritanomaly

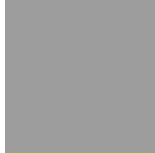
34.6043, 51.1392, 32.8580

Monochromacy



Original Color

29.9476, 53.0427, 8.6599



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.4530, 38.6309, 18.0135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9476, 53.0427, 8.6599 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(94, 219, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 219, 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(94, 219, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 219, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.9476, 53.0427, 8.6599 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(94, 219, 0) }
```

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

```
.border{ border-color:rgb(94, 219, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 219, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 219, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 219, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 219, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 29.9476, 53.0427, 8.6599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 219, 0) }
```

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

```
.background{ background-color: rgb(94, 219,  
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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