

Converting Colors

XYZ(28.7128, 53.5076, 9.4364)

Have a look what the booklet for
XYZ(28.7128, 53.5076, 9.4364)
contains.

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Color

**XYZ(28.7646, 53.5917,
9.4443)**

Conversions

Conversions Part 1

Format	Color
Hex	46DE13
RGB	70, 222, 19
RGB Percent	27%, 87%, 7%
CMY	0.7255, 0.1294, 0.9254
CMYK	0.68, 0.00, 0.91, 0.13
HSL	105°, 84%, 47%
HSV	105°, 91%, 87%
XYZ	28.7646, 53.5917, 9.4443
YIQ	153.4100, -25.4290, -95.3570

Conversions

Conversions Part 2

Format	Color
RYB	19, 222, 171
Decimal	4644371
CIELab	78.22, -70.44, 73.92
CIELCh	78, 102.109, 133.618
Yxy	53.5917, 0.3133, 0.5838
Android (android.graphics.Color)	4282834451 (0xFF46DE13)
YUV	153.4100, -66.2641, -73.1506
Hunter-Lab	73.2064, -57.9740, 43.5955

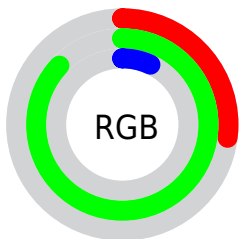
Details

The XYZ color **28.7646, 53.5917, 9.4443** 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 **30.2184, 14.4012, 70.2972**, and the grayscale version is **30.7474, 32.3487, 35.2277**.

A 20% lighter version of the original color is **48.2958, 77.7643, 22.3621**, and **13.4551, 26.9103, 4.4850** is the 20% darker color. If you saturate the color by 10%, you get **27.7397, 53.0786, 8.7832**, and if you desaturate by 10%, it is **30.4219, 54.4146, 11.0176**.

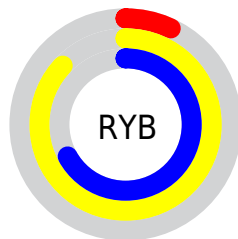
Distribution



Red (27%)

Green (87%)

Blue (7%)



Red (7%)

Yellow (87%)

Blue (67%)

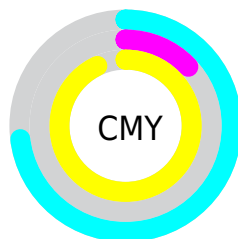


Cyan (68%)

Magenta (0%)

Yellow (91%)

Black (13%)



Cyan (73%)


Magenta (13%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7646, 53.5917, 9.4443 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 28.7646, 53.5917, 9.4443 by changing the saturation by 10% instead.


 28.7646, 53.5917,
9.4443


 28.7646, 53.5917,
9.4443


288.1169,
400.5511, 196.9971


 19.0462, 38.2753,
4.9314


 57.1030, 95.4745,
25.3362

 11.8079, 26.1965,
2.1490


 76.4538, 122.8097,
37.5522


 6.6843, 16.9707,
0.6447


 99.7460, 154.9200,
53.1729

 3.3100, 10.2136,
0.0000

 127.3451,
192.1897, 72.6170

 1.3197, 5.5408,
0.0000

 159.6163,
235.0033, 96.3029

 0.1979, 2.5679,
0.0000

 196.9252,

 0.0000, 0.9106,

283.7451, 124.6492

0.0000

239.6369,
338.7996, 158.0744

■ 0.0000, 0.0000,
0.0000

■ 28.7646, 53.5917,
9.4443

■ 28.7646, 53.5917,
9.4443

■ 27.7397, 53.0786,
8.7832

■ 30.4219, 54.4146,
11.0176

■ 32.6535, 55.5067,
13.7572

■ 35.5150, 56.8946,
17.8340

■ 39.0541, 58.5998,
23.3899

■ 43.3132, 60.6413,
30.5486

■ 48.3311, 63.0370,
39.4210

■ 54.1439, 65.8031,
50.1080

■ 60.7850, 68.9548,
62.7026

■ 68.2861, 72.5066,
77.2917

Harmonies

Analogous

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



42.4162, 53.5917, 3.4383



28.7646, 53.5917, 9.4443



22.2536, 53.5917, 32.4961

Triad

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



28.7646, 53.5917, 9.4443



40.8519, 53.5917, 240.3694



98.1435, 53.5917, 36.0900

Complementary

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



28.7646, 53.5917, 9.4443



30.2184, 14.4012, 70.2972

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.



97.4029, 53.5917, 95.2105



28.7646, 53.5917, 9.4443



60.5294, 53.5917, 243.9154

Square

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



28.7646, 53.5917, 9.4443



27.8789, 53.5917, 171.9264



82.3037, 53.5917, 179.7528



84.1207, 53.5917, 10.6029

Rectangle

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



28.7646, 53.5917, 9.4443



21.4106, 53.5917, 65.5756



82.3037, 53.5917, 179.7528



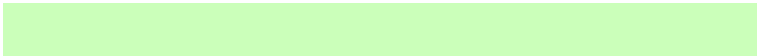
99.7056, 53.5917, 51.6798

Sweetspot

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



28.7658, 53.5940, 9.4455



69.3880, 87.8302, 59.8338



44.2227, 43.5364, 6.6895



14.2863, 18.5299, 11.7764



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.



28.7658, 53.5940, 9.4455



37.8772, 72.6115, 12.0191



27.3860, 52.7813, 13.9580



13.8497, 15.5027, 14.5691



16.5624, 31.5708, 5.2208



1.2294, 2.2303, 0.3657

Inverse Universe

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



30.2184, 14.4012, 70.2972



39.5248, 18.2907, 96.0550



38.0613, 19.0777, 42.0491



13.9413, 13.7533, 17.3075



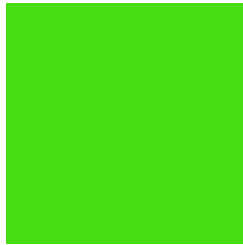
17.3097, 8.0188, 41.6838



1.2803, 0.5973, 2.8931

Previews

White Background



This preview shows how the XYZ color 28.7646, 53.5917, 9.4443 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 28.7646, 53.5917, 9.4443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

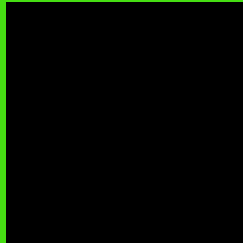
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.7646, 53.5917, 9.4443

Background



This preview shows how black text looks on a background with the XYZ color 28.7646, 53.5917, 9.4443.



This preview shows how white text looks on a background with the XYZ color 28.7646, 53.5917,

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

28.7646, 53.5917, 9.4443

Protanopia

47.1685, 52.2982, 7.6085

Deuteranopia

53.5793, 52.3870, 10.3054



Tritanopia

42.2006, 52.9810, 77.8142

Trichromacy



Original Color

28.7646, 53.5917, 9.4443



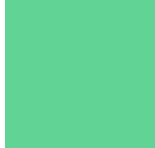
Protanomaly

36.4985, 50.5137, 8.0275



Deuteranomaly

38.9229, 49.6627, 9.4539



Tritanomaly

33.8981, 51.7983, 36.6452

Monochromacy



Original Color

28.7646, 53.5917, 9.4443



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.5875, 37.0512, 18.8470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7646, 53.5917, 9.4443 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(70, 222, 19)` looks like.

```
.text, #text, p{  
    color:rgb(70, 222, 19)  
}
```

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(70, 222, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 222, 19) }
```

Border

The CSS property to change the border of an element to XYZ 28.7646, 53.5917, 9.4443 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(70, 222, 19) }
```


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

```
.border{ border-color:rgb(70, 222, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 222, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 222, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 222, 19);  
box-shadow:4px 4px 4px 4px rgb(70, 222,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7646, 53.5917, 9.4443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 222, 19) }
```

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

```
.background{ background-color: rgb(70, 222,  
19) }
```

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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