

Converting Colors

XYZ(28.1211, 52.0809, 9.5488)

Have a look what the booklet for
XYZ(28.1211, 52.0809, 9.5488)
contains.

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Color

**XYZ(28.1165, 52.0772,
9.5473)**

Conversions

Conversions Part 1

Format	Color
Hex	47DB1A
RGB	71, 219, 26
RGB Percent	28%, 86%, 10%
CMY	0.7216, 0.1412, 0.8980
CMYK	0.68, 0.00, 0.88, 0.14
HSL	106°, 79%, 48%
HSV	106°, 88%, 86%
XYZ	28.1165, 52.0772, 9.5473
YIQ	152.7460, -26.2550, -91.3990

Conversions

Conversions Part 2

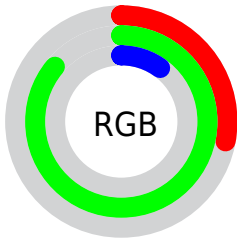
Format	Color
RYB	26, 219, 174
Decimal	4709146
CIELab	77.33, -69.12, 72.06
CIELCh	77, 99.847, 133.808
Yxy	52.0772, 0.3133, 0.5803
Android (android.graphics.Color)	4282899226 (0xFF47DB1A)
YUV	152.7460, -62.4858, -71.6912
Hunter-Lab	72.1645, -56.7414, 42.6712

Details

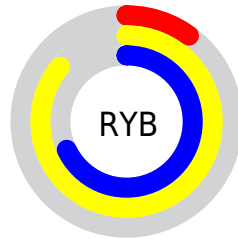
The XYZ color **28.1165, 52.0772, 9.5473** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **30.6160, 14.8548, 68.2743**, and the grayscale version is **30.4408, 32.0261, 34.8764**.

A 20% lighter version of the original color is **48.4278, 77.8171, 23.0575**, and **12.9203, 25.8407, 4.3068** is the 20% darker color. If you saturate the color by 10%, you get **26.8874, 51.4641, 8.6346**, and if you desaturate by 10%, it is **29.8695, 52.9426, 11.4317**.

Distribution



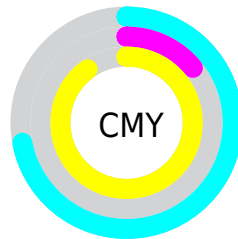
- Red (28%)
- Green (86%)
- Blue (10%)



- Red (10%)
- Yellow (86%)
- Blue (68%)



- Cyan (68%)
- Magenta (0%)
- Yellow (88%)
- Black (14%)





- Cyan (72%)
- Magenta (14%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1165, 52.0772, 9.5473 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 28.1165, 52.0772, 9.5473 by changing the saturation by 10% instead.


 28.1165, 52.0772,
9.5473


 28.1165, 52.0772,
9.5473


285.0932,
394.7346, 197.7758


 18.5544, 37.0666,
4.9982


 56.0777, 93.2451,
25.5348


 11.4508, 25.2591,
2.1875


 75.2076, 120.1712,
37.8103

 6.4405, 16.2702,
0.6671


 98.2574, 151.8379,
53.4984

 3.1579, 9.7155,
0.0000

 125.5925,
188.6296, 73.0175

 1.2378, 5.2108,
0.0000

 157.5783,
230.9307, 96.7863

 0.1359, 2.3714,
0.0000

 194.5801,

 0.0000, 0.8111,

279.1257, 125.2232

0.0000

236.9632,
333.5988, 158.7469

■ 0.0000, 0.0000,
0.0000

■ 28.1165, 52.0772,
9.5473

■ 28.1165, 52.0772,
9.5473

■ 26.8874, 51.4641,
8.6346

■ 29.8695, 52.9426,
11.4317

■ 26.7003, 51.3703,
8.5082

■ 32.2100, 54.0835,
14.5052

■ 35.1913, 55.5258,
18.9228

■ 38.8593, 57.2901,
24.8151

■ 43.2553, 59.3953,
32.2972

■ 48.4173, 61.8586,
41.4730

■ 54.3805, 64.6963,
52.4374

■ 61.1779, 67.9233,
65.2784

■ 68.8405, 71.5539,
80.0781

Harmonies

Analogous

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



41.2121, 52.0772, 3.5591



28.1165, 52.0772, 9.5473



21.8692, 52.0772, 32.0674

Triad

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



28.1165, 52.0772, 9.5473



39.9148, 52.0772, 230.4769



94.6101, 52.0772, 35.0574

Complementary

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



28.1165, 52.0772, 9.5473



30.6160, 14.8548, 68.2743

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.



94.0001, 52.0772, 91.5259



28.1165, 52.0772, 9.5473



58.8257, 52.0772, 233.3845

Square

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



28.1165, 52.0772, 9.5473



27.3792, 52.0772, 165.6549



79.6467, 52.0772, 172.0837



81.1453, 52.0772, 10.5260

Rectangle

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



28.1165, 52.0772, 9.5473



21.0780, 52.0772, 64.0060



79.6467, 52.0772, 172.0837



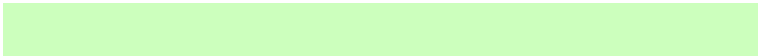
96.1334, 52.0772, 49.9782

Sweetspot

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



28.1177, 52.0794, 9.5485



69.8570, 88.0403, 61.2852



44.5321, 45.3970, 7.3935



14.3644, 18.5641, 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.



28.1177, 52.0794, 9.5485



37.5899, 72.4633, 12.0056



27.1154, 51.4276, 15.6073



13.1692, 14.7519, 13.8789



15.9119, 30.5004, 5.0485



1.1072, 2.0153, 0.3306

Inverse Universe

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



30.6160, 14.8548, 68.2743



40.7005, 18.8968, 96.1100



36.6094, 18.6101, 38.4841



13.3022, 13.1139, 16.4823



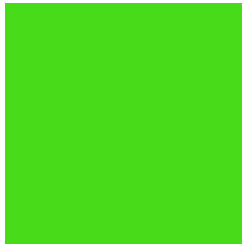
17.2514, 8.0176, 40.3767



1.1911, 0.5573, 2.6192

Previews

White Background



This preview shows how the XYZ color 28.1165, 52.0772, 9.5473 looks on a white background.

Color Contrast Check

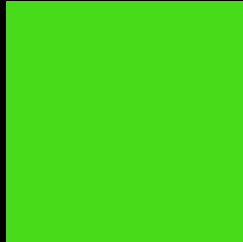
Large Text (above 18pt) WCAG AA × Fail

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 28.1165, 52.0772, 9.5473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

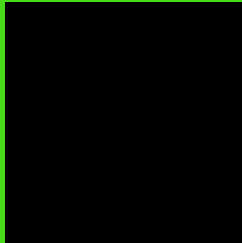
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.1165, 52.0772, 9.5473

Background



This preview shows how black text looks on a background with the XYZ color 28.1165, 52.0772, 9.5473.



This preview shows how white text looks on a background with the XYZ color 28.1165, 52.0772,

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

28.1165, 52.0772, 9.5473

Protanopia

46.2312, 51.1575, 7.8897

Deuteranopia

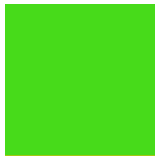
52.2010, 51.0676, 10.3546



Tritanopia

41.3212, 51.8637, 75.5430

Trichromacy



Original Color

28.1165, 52.0772, 9.5473



Protanomaly

35.9045, 49.5017, 8.2785



Deuteranomaly

37.8593, 48.1051, 9.5753



Tritanomaly

33.2623, 50.3675, 36.4026

Monochromacy



Original Color

28.1165, 52.0772, 9.5473



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.5444, 36.7168, 19.5979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1165, 52.0772, 9.5473 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(71, 219, 26)` looks like.

```
.text, #text, p{  
    color:rgb(71, 219, 26)  
}
```

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(71, 219, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 219, 26) }
```

Border

The CSS property to change the border of an element to XYZ 28.1165, 52.0772, 9.5473 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(71, 219, 26) }
```


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

```
.border{ border-color:rgb(71, 219, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 219, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 219, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 219, 26);  
box-shadow:4px 4px 4px 4px rgb(71, 219,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1165, 52.0772, 9.5473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 219, 26) }
```

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

```
.background{ background-color: rgb(71, 219,  
26) }
```

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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