

Converting Colors

XYZ(28.5788, 51.7579, 10.9267)

Have a look what the booklet for
XYZ(28.5788, 51.7579, 10.9267)
contains.

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Color

**XYZ(28.6869, 51.9520,
10.9984)**

Conversions

Conversions Part 1

Format	Color
Hex	4EDA2D
RGB	78, 218, 45
RGB Percent	31%, 85%, 18%
CMY	0.6941, 0.1451, 0.8235
CMYK	0.64, 0.00, 0.79, 0.15
HSL	109°, 70%, 52%
HSV	109°, 79%, 85%
XYZ	28.6869, 51.9520, 10.9984
YIQ	156.4180, -27.9070, -83.4830

Conversions

Conversions Part 2

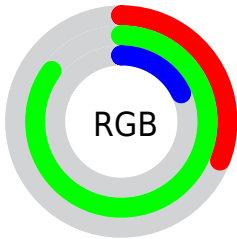
Format	Color
RYB	45, 218, 185
Decimal	5167661
CIELab	77.25, -66.56, 67.64
CIELCh	77, 94.892, 134.540
Yxy	51.9520, 0.3130, 0.5669
Android (android.graphics.Color)	4283357741 (0xFF4EDA2D)
YUV	156.4180, -54.9291, -68.7726
Hunter-Lab	72.0777, -55.0931, 41.4073

Details

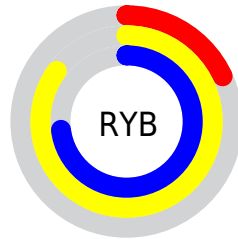
The XYZ color **28.6869, 51.9520, 10.9984** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **33.6049, 17.2555, 67.8920**, and the grayscale version is **32.0353, 33.7036, 36.7032**.

A 20% lighter version of the original color is **49.6375, 78.3796, 25.8772**, and **12.9203, 25.8407, 4.3068** is the 20% darker color. If you saturate the color by 10%, you get **27.1143, 51.1795, 9.2711**, and if you desaturate by 10%, it is **30.8662, 53.0154, 13.8863**.

Distribution



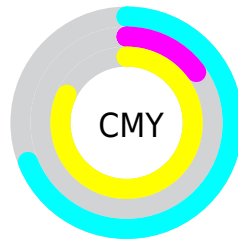
- Red (31%)
- Green (85%)
- Blue (18%)



- Red (18%)
- Yellow (85%)
- Blue (73%)



- Cyan (64%)
- Magenta (0%)
- Yellow (79%)
- Black (15%)



- Cyan (69%)
- Magenta (15%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6869, 51.9520, 10.9984 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 28.6869, 51.9520, 10.9984 by changing the saturation by 10% instead.

■ 28.6869, 51.9520,
10.9984

■ 28.6869, 51.9520,
10.9984

■ 287.7557,
394.2513, 208.3936

■ 18.9872, 36.9668,
5.9516

■ 56.9803, 93.0604,
28.2938

■ 11.7650, 25.1818,
2.7474

■ 76.3046, 119.9525,
41.3795

■ 6.6549, 16.2126,
0.9671

■ 99.5679, 151.5823,
57.9819

■ 3.2916, 9.6747,
0.0000

■ 127.1355,
188.3342, 78.5196

■ 1.3098, 5.1838,
0.0000

■ 159.3727,
230.5927, 103.4111

■ 0.1905, 2.3555,
0.0000

■ 196.6449,

■ 0.0000, 0.8029,

278.7421, 133.0749

0.0000

239.3175,
333.1668, 167.9295

■ 0.0000, 0.0000,
0.0000

■ 28.6869, 51.9520,
10.9984

■ 28.6869, 51.9520,
10.9984

■ 27.1143, 51.1795,
9.2711

■ 30.8662, 53.0154,
13.8863

■ 26.0645, 50.6555,
8.4442

■ 33.7061, 54.3894,
18.0870

■ 26.0100, 50.6283,
8.4014

■ 37.2582, 56.0993,
23.7334

■ 41.5680, 58.1660,
30.9413

■ 46.6768, 60.6086,
39.8147

■ 52.6231, 63.4448,
50.4485

■ 59.4427, 66.6912,
62.9307

■ 67.1693, 70.3634,
77.3433

■ 75.8349, 74.4762,
93.7634

Harmonies

Analogous

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



41.1092, 51.9520, 4.4568



28.6869, 51.9520, 10.9984



22.7600, 51.9520, 33.8480

Triad

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



28.6869, 51.9520, 10.9984



40.6306, 51.9520, 218.4247



91.5560, 51.9520, 34.9641

Complementary

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



28.6869, 51.9520, 10.9984



33.6049, 17.2555, 67.8920

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.



91.3367, 51.9520, 87.6870



28.6869, 51.9520, 10.9984



58.6892, 51.9520, 219.4517

Square

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



28.6869, 51.9520, 10.9984



28.4111, 51.9520, 159.9120



78.1943, 51.9520, 162.1983



78.7354, 51.9520, 11.3848

Rectangle

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



28.6869, 51.9520, 10.9984



22.0773, 51.9520, 64.8702



78.1943, 51.9520, 162.1983



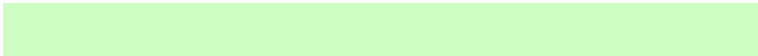
93.0893, 51.9520, 49.0042

Sweetspot

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



28.6881, 51.9542, 10.9996



70.7822, 88.4523, 64.2636



46.4057, 49.1299, 9.5206



14.5134, 18.6285, 12.6212



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.



28.6881, 51.9542, 10.9996



37.6316, 72.4766, 12.3784



28.3084, 51.5644, 19.7474



13.1171, 14.7251, 13.8765



15.6498, 30.3652, 5.0363



1.0827, 2.0027, 0.3295

Inverse Universe

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



33.6049, 17.2555, 67.8920



44.4292, 21.0279, 96.3249



36.7460, 19.5405, 37.9620



13.3583, 13.1428, 16.4849



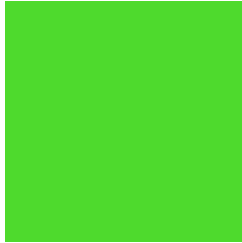
18.4528, 8.6370, 40.4329



1.2594, 0.5925, 2.6224

Previews

White Background



This preview shows how the XYZ color 28.6869, 51.9520, 10.9984 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 28.6869, 51.9520, 10.9984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

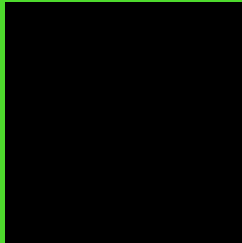
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.6869, 51.9520, 10.9984

Background



This preview shows how black text looks on a background with the XYZ color 28.6869, 51.9520, 10.9984.

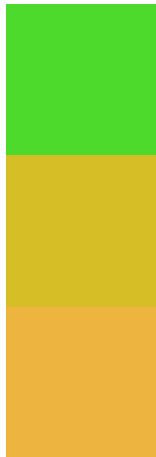


This preview shows how white text looks on a background with the XYZ color 28.6869, 51.9520,

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

28.6869, 51.9520, 10.9984

Protanopia

46.2039, 51.1130, 9.2643

Deuteranopia

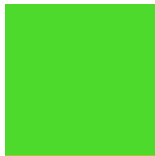
52.1435, 51.0059, 11.7995



Tritanopia

41.3446, 51.5393, 74.7868

Trichromacy



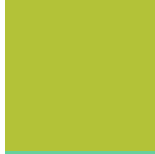
Original Color

28.6869, 51.9520, 10.9984



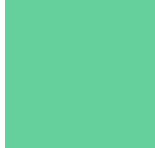
Protanomaly

36.3644, 49.3612, 9.7089



Deuteranomaly

38.5960, 48.4528, 11.0595



Tritanomaly

34.0361, 50.3368, 39.3746

Monochromacy



Original Color

28.6869, 51.9520, 10.9984



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.1746, 38.0903, 22.3902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6869, 51.9520, 10.9984 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(78, 218, 45)` looks like.

```
.text, #text, p{  
    color:rgb(78, 218, 45)  
}
```

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(78, 218, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 218, 45) }
```

Border

The CSS property to change the border of an element to XYZ 28.6869, 51.9520, 10.9984 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(78, 218, 45) }
```


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

```
.border{ border-color:rgb(78, 218, 45) }
```

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

Here you see how a box with a 4 pixel rgb(78, 218, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 218, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 218, 45);  
box-shadow:4px 4px 4px 4px rgb(78, 218,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6869, 51.9520, 10.9984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 218, 45) }
```

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

```
.background{ background-color: rgb(78, 218,  
45) }
```

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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