

Converting Colors

XYZ(27.7355, 49.5720, 10.2970)

Have a look what the booklet for
XYZ(27.7355, 49.5720, 10.2970)
contains.

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Color

**XYZ(27.7794, 49.5947,
10.2991)**

Conversions

Conversions Part 1

Format	Color
Hex	53D52A
RGB	83, 213, 42
RGB Percent	33%, 84%, 16%
CMY	0.6745, 0.1647, 0.8353
CMYK	0.61, 0.00, 0.80, 0.16
HSL	106°, 67%, 50%
HSV	106°, 80%, 84%
XYZ	27.7794, 49.5947, 10.2991
YIQ	154.6360, -22.5890, -80.7410

Conversions

Conversions Part 2

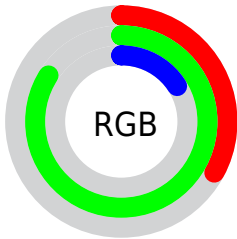
Format	Color
RYB	42, 213, 172
Decimal	5494058
CIELab	75.82, -63.96, 67.18
CIELCh	76, 92.760, 133.591
Yxy	49.5947, 0.3169, 0.5657
Android (android.graphics.Color)	4283684138 (0xFF53D52A)
YUV	154.6360, -55.5295, -62.8248
Hunter-Lab	70.4235, -52.8297, 40.6256

Details

The XYZ color **27.7794, 49.5947, 10.2991** 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 **29.8552, 15.2330, 64.3203**, and the grayscale version is **31.2408, 32.8677, 35.7930**.

A 20% lighter version of the original color is **50.0123, 78.5903, 25.1039**, and **12.0570, 24.1139, 4.0190** is the 20% darker color. If you saturate the color by 10%, you get **26.2293, 48.8301, 8.7381**, and if you desaturate by 10%, it is **29.8679, 50.6165, 12.9437**.

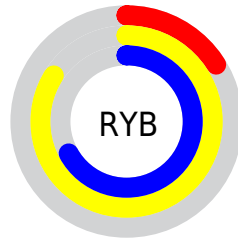
Distribution



Red (33%)

Green (84%)

Blue (16%)



Red (16%)

Yellow (84%)

Blue (67%)

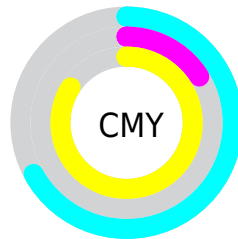


Cyan (61%)

Magenta (0%)

Yellow (80%)

Black (16%)



Cyan (67%)

Magenta (16%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7794, 49.5947, 10.2991 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 27.7794, 49.5947, 10.2991 by changing the saturation by 10% instead.

■ 27.7794, 49.5947,
10.2991

■ 27.7794, 49.5947,
10.2991

■ 283.5105,
385.0788, 203.3554

■ 18.2990, 35.0915,
5.4895

■ 55.5432, 89.5741,
26.9731

■ 11.2659, 23.7333,
2.4735

■ 74.5573, 115.8190,
39.6747

■ 6.3146, 15.1359,
0.8261

■ 97.4800, 146.7466,
55.8440

■ 3.0798, 8.9148,
0.0000

■ 124.6767,
182.7413, 75.8995

■ 1.1961, 4.6857,
0.0000

■ 156.5128,
224.1875, 100.2599

■ 0.1033, 2.0640,
0.0000

■ 193.3535,

■ 0.0000, 0.6443,

271.4696, 129.3437

0.0000

235.5643,
324.9719, 163.5693

■ 0.0000, 0.0000,
0.0000

■ 27.7794, 49.5947,
10.2991

■ 27.7794, 49.5947,
10.2991

■ 26.2293, 48.8301,
8.7381

■ 29.8679, 50.6165,
12.9437

■ 25.1636, 48.2960,
7.9958

■ 32.5408, 51.9115,
16.8179

■ 35.8426, 53.5012,
22.0486

■ 39.8121, 55.4035,
28.7461

■ 44.4849, 57.6343,
37.0091

■ 49.8939, 60.2088,
46.9281

■ 56.0700, 63.1411,
58.5866

■ 63.0422, 66.4443,
72.0622

■ 70.8379, 70.1312,
87.4282

Harmonies

Analogous

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



39.7708, 49.5947, 4.3075



27.7794, 49.5947, 10.2991



21.9567, 49.5947, 31.3791

Triad

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



27.7794, 49.5947, 10.2991



38.3816, 49.5947, 205.8250



87.2507, 49.5947, 34.6247

Complementary

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



27.7794, 49.5947, 10.2991



29.8552, 15.2330, 64.3203

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.



86.6163, 49.5947, 85.4981



27.7794, 49.5947, 10.2991



55.3637, 49.5947, 208.7870

Square

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



27.7794, 49.5947, 10.2991



26.9772, 49.5947, 149.4526



73.8834, 49.5947, 156.0538



75.4494, 49.5947, 11.4319

Rectangle

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



27.7794, 49.5947, 10.2991



21.1936, 49.5947, 60.1666



73.8834, 49.5947, 156.0538



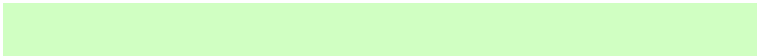
88.5582, 49.5947, 48.2702

Sweetspot

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



27.7806, 49.5968, 10.3002



71.6201, 88.8843, 64.3029



42.2825, 43.1592, 8.2933



14.7102, 18.7300, 12.6304



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.



27.7806, 49.5968, 10.3002



38.2618, 72.8033, 12.3287



26.3805, 48.7351, 16.5602



12.5384, 14.0382, 13.2095



15.4473, 29.5397, 4.8876



1.0068, 1.8204, 0.2983

Inverse Universe

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



29.8552, 15.2330, 64.3203



41.0082, 19.2198, 96.1562



35.5499, 18.7152, 39.8956



12.6486, 12.4758, 15.6789



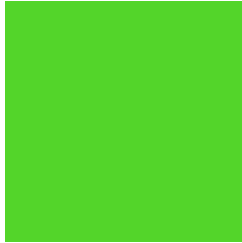
16.5261, 7.6720, 39.0630



1.0684, 0.4996, 2.3594

Previews

White Background



This preview shows how the XYZ color 27.7794, 49.5947, 10.2991 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 27.7794, 49.5947, 10.2991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

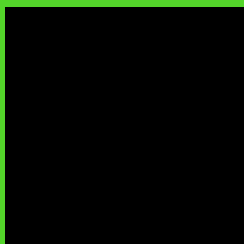
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.7794, 49.5947, 10.2991

Background



This preview shows how black text looks on a background with the XYZ color 27.7794, 49.5947, 10.2991.



This preview shows how white text looks on a background with the XYZ color 27.7794, 49.5947,

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

27.7794, 49.5947, 10.2991

Protanopia

44.1568, 48.7945, 8.6811

Deuteranopia

49.6197, 48.5327, 11.0275



Tritanopia

39.8029, 49.0948, 70.9967

Trichromacy



Original Color

27.7794, 49.5947, 10.2991



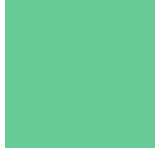
Protanomaly

35.1940, 47.4063, 9.1291



Deuteranomaly

37.2003, 46.1172, 10.3090



Tritanomaly

32.7675, 47.9495, 36.8063

Monochromacy



Original Color

27.7794, 49.5947, 10.2991



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.6159, 36.9327, 21.5928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7794, 49.5947, 10.2991 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(83, 213, 42)` looks like.

```
.text, #text, p{  
    color:rgb(83, 213, 42)  
}
```

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(83, 213, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 213, 42) }
```

Border

The CSS property to change the border of an element to XYZ 27.7794, 49.5947, 10.2991 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(83, 213, 42) }
```


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

```
.border{ border-color:rgb(83, 213, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 213, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 213, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 213, 42);  
box-shadow:4px 4px 4px 4px rgb(83, 213,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7794, 49.5947, 10.2991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 213, 42) }
```

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

```
.background{ background-color: rgb(83, 213,  
42) }
```

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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