

Converting Colors

XYZ(27.6400, 52.6629, 11.1147)

Have a look what the booklet for
XYZ(27.6400, 52.6629, 11.1147)
contains.

XYZ(27.5777, 52.5477, 11.0721)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.5777, 52.5477,
11.0721)**

Conversions

Conversions Part 1

Format	Color
Hex	31DD2C
RGB	49, 221, 44
RGB Percent	19%, 87%, 17%
CMY	0.8078, 0.1333, 0.8274
CMYK	0.78, 0.00, 0.80, 0.13
HSL	118°, 72%, 52%
HSV	118°, 80%, 87%
XYZ	27.5777, 52.5477, 11.0721
YIQ	149.3940, -45.6950, -91.5110

Conversions

Conversions Part 2

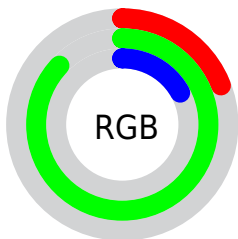
Format	Color
RYB	44, 221, 216
Decimal	3267884
CIELab	77.61, -72.47, 68.04
CIElCh	78, 99.404, 136.805
Yxy	52.5477, 0.3024, 0.5762
Android (android.graphics.Color)	4281457964 (0xFF31DD2C)
YUV	149.3940, -51.9592, -88.0455
Hunter-Lab	72.4898, -58.9494, 41.6869

Details

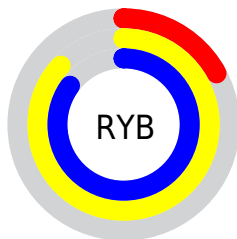
The XYZ color **27.5777, 52.5477, 11.0721** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **42.2750, 21.6234, 70.3550**, and the grayscale version is **28.9608, 30.4690, 33.1808**.

A 20% lighter version of the original color is **46.7161, 76.8795, 25.4737**, and **13.2755, 26.5509, 4.4252** is the 20% darker color. If you saturate the color by 10%, you get **26.4674, 52.0128, 9.3989**, and if you desaturate by 10%, it is **29.4045, 53.4296, 13.9342**.

Distribution



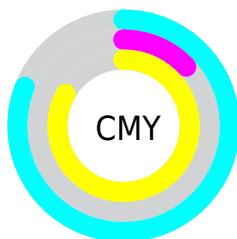
- Red (19%)
- Green (87%)
- Blue (17%)



- Red (17%)
- Yellow (87%)
- Blue (85%)



- Cyan (78%)
- Magenta (0%)
- Yellow (80%)
- Black (13%)





- Cyan (81%)
- Magenta (13%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5777, 52.5477, 11.0721 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 27.5777, 52.5477, 11.0721 by changing the saturation by 10% instead.


 27.5777, 52.5477,
11.0721


 27.5777, 52.5477,
11.0721


282.5603,
396.5474, 208.9167


 18.1464, 37.4418,
6.0006


 55.2229, 93.9385,
28.4321


 11.1555, 25.5498,
2.7766


 74.1675, 120.9922,
41.5577


 6.2396, 16.4871,
0.9817


 97.0139, 152.7973,
58.2050

 3.0333, 9.8695,
0.0000

 124.1274,
189.7381, 78.7926

 1.1714, 5.3125,
0.0000

 155.8735,
232.1992, 103.7390

 0.0836, 2.4318,
0.0000

 192.6174,

 0.0000, 0.8422,

280.5648, 133.4628

0.0000

234.7245,
335.2194, 168.3825

■ 0.0000, 0.0000,
0.0000

■ 27.5777, 52.5477,
11.0721

■ 27.5777, 52.5477,
11.0721

■ 26.4674, 52.0128,
9.3989

■ 29.4045, 53.4296,
13.9342


■ 25.9355, 51.7552,
8.6228


■ 32.0367, 54.6960,
18.1469


■ 35.5546, 56.3870,
23.8502


■ 40.0275, 58.5355,
31.1660

■ 45.5179, 61.1716,
40.2034

 52.0832, 64.3226,
51.0623

 59.7763, 68.0138,
63.8346

 68.6466, 72.2688,
78.6062

 78.7408, 77.1100,
95.4579

Harmonies

Analogous

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



40.0148, 52.5477, 3.9545



27.5777, 52.5477, 11.0721



21.9367, 52.5477, 36.3167

Triad

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



27.5777, 52.5477, 11.0721



41.9836, 52.5477, 234.2025



94.2723, 52.5477, 31.7704

Complementary

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



27.5777, 52.5477, 11.0721



42.2750, 21.6234, 70.3550

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.



95.1944, 52.5477, 84.9002



27.5777, 52.5477, 11.0721



61.3955, 52.5477, 229.8201

Square

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



27.5777, 52.5477, 11.0721



28.6991, 52.5477, 174.0743



81.9793, 52.5477, 164.3741



79.7128, 52.5477, 9.5703

Rectangle

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



27.5777, 52.5477, 11.0721



21.5263, 52.5477, 70.6781



81.9793, 52.5477, 164.3741



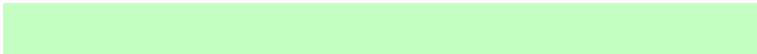
96.2972, 52.5477, 45.5812

Sweetspot

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



27.5789, 52.5499, 11.0733



68.1170, 87.0784, 64.1389



54.6017, 64.2086, 11.8994



13.8926, 18.3085, 12.5921



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.



27.5789, 52.5499, 11.0733



36.0489, 71.6625, 12.2252



30.7017, 53.7727, 28.7054



12.9203, 14.6236, 13.8673



15.0816, 30.0723, 5.0097



0.9893, 1.9545, 0.3251

Inverse Universe

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



42.2750, 21.6234, 70.3550



56.9059, 27.4153, 96.9001



35.3379, 19.0215, 26.0082



13.5762, 13.2551, 16.4951



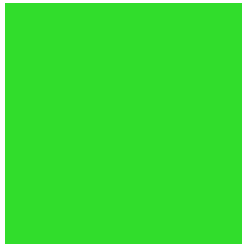
23.8387, 11.4135, 40.6850



1.5561, 0.7454, 2.6363

Previews

White Background



This preview shows how the XYZ color 27.5777, 52.5477, 11.0721 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 27.5777, 52.5477, 11.0721 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 27.5777, 52.5477, 11.0721

Background



This preview shows how black text looks on a background with the XYZ color 27.5777, 52.5477, 11.0721.

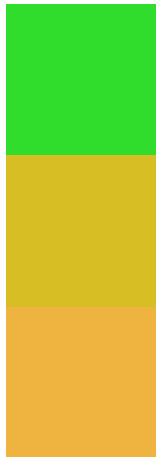


This preview shows how white text looks on a background with the XYZ color 27.5777, 52.5477,

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

27.5777, 52.5477, 11.0721

Protanopia

46.4634, 51.2504, 9.1125

Deuteranopia

52.4784, 51.1785, 11.8152



Tritanopia

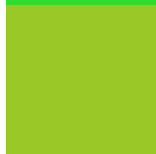
40.7356, 52.2413, 77.0438

Trichromacy



Original Color

27.5777, 52.5477, 11.0721



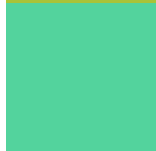
Protanomaly

34.5793, 48.7898, 9.5143



Deuteranomaly

36.5911, 47.7508, 11.0296



Tritanomaly

32.9473, 50.8619, 39.9791

Monochromacy



Original Color

27.5777, 52.5477, 11.0721



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

25.0093, 35.3184, 20.5379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5777, 52.5477, 11.0721 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(49, 221, 44)` looks like.

```
.text, #text, p{  
    color:rgb(49, 221, 44)  
}
```

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(49, 221, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 221, 44) }
```

Border

The CSS property to change the border of an element to XYZ 27.5777, 52.5477, 11.0721 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(49, 221, 44) }
```


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

```
.border{ border-color:rgb(49, 221, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 221, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 221, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 221, 44);  
box-shadow:4px 4px 4px 4px rgb(49, 221,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5777, 52.5477, 11.0721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 221, 44) }
```

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

```
.background{ background-color: rgb(49, 221,  
44) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor