

Converting Colors

XYZ(13.6013, 27.2025, 4.5338)

Have a look what the booklet for
XYZ(13.6013, 27.2025, 4.5338)
contains.

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Color

**XYZ(13.6362, 27.2724,
4.5454)**

Conversions

Conversions Part 1

Format	Color
Hex	00A600
RGB	0, 166, 0
RGB Percent	0%, 65%, 0%
CMY	1.0000, 0.3490, 0.9999
CMYK	1.00, 0.00, 1.00, 0.35
HSL	120°, 100%, 33%
HSV	120°, 100%, 65%
XYZ	13.6362, 27.2724, 4.5454
YIQ	97.4420, -45.6500, -86.8180

Conversions

Conversions Part 2

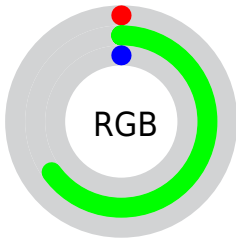
Format	Color
RYB	0, 166, 166
Decimal	42496
CIELab	59.23, -62.50, 60.32
CIELCh	59, 86.858, 136.016
Yxy	27.2724, 0.3000, 0.6000
Android (android.graphics.Color)	4278232576 (0xFF00A600)
YUV	97.4420, -48.0389, -85.4566
Hunter-Lab	52.2230, -44.7812, 31.3956

Details

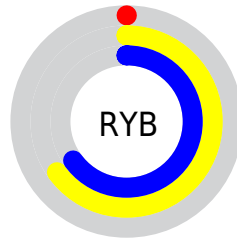
The XYZ color **13.6362, 27.2724, 4.5454** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **22.6083, 10.8600, 36.9752**, and the grayscale version is **11.5952, 12.1991, 13.2848**.

A 20% lighter version of the original color is **31.9400, 55.1033, 15.2559**, and **5.7942, 11.5883, 1.9314** is the 20% darker color. If you saturate the color by 10%, you get **13.6368, 27.2735, 4.5460**, and if you desaturate by 10%, it is **13.9590, 27.4283, 5.0731**.

Distribution



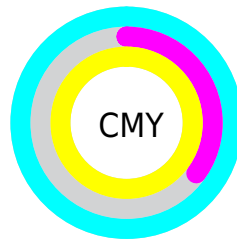
- Red (0%)
- Green (65%)
- Blue (0%)



- Red (0%)
- Yellow (65%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6362, 27.2724, 4.5454 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 13.6362, 27.2724, 4.5454 by changing the saturation by 10% instead.

■ 13.6362, 27.2724,
4.5454

■ 13.6362, 27.2724,
4.5454

208.5119,
288.9736, 154.1072

■ 7.9481, 17.7779,
1.9291

■ 32.0338, 55.3207,
15.2493

■ 4.1133, 10.7907,
0.5111

■ 45.4740, 74.6432,
24.1739

■ 1.7664, 5.9262,
0.0000

■ 62.2289, 98.0106,
36.0384

■ 0.4973, 2.8003,
0.0000

■ 82.6639, 125.8072,
51.2612

■ 0.0000, 1.0284,
0.0000


■ 107.1444,
158.4174, 70.2610


■ 0.0000, 0.0000,
0.0000


■ 136.0356,


196.2256, 93.4562


 169.7030,
239.6162, 121.2654


 13.6362, 27.2724,
4.5454


 13.6362, 27.2724,
4.5454

 13.6368, 27.2735,
4.5460

 13.9590, 27.4283,
5.0731

 14.5479, 27.7112,
6.0365

 15.5140, 28.1752,
7.6170

 16.9062, 28.8439,
9.8943

 18.7658, 29.7372,
12.9362

■ 21.1296, 30.8727,
16.8027

■ 24.0305, 32.2661,
21.5475

■ 27.4986, 33.9320,
27.2201

■ 31.5619, 35.8839,
33.8660

Harmonies

Analogous

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



20.5885, 27.2724, 1.3432



13.6362, 27.2724, 4.5454



10.5068, 27.2724, 17.4855

Triad

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



13.6362, 27.2724, 4.5454



21.2065, 27.2724, 133.3552



51.5422, 27.2724, 16.0888

Complementary

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



13.6362, 27.2724, 4.5454



22.6083, 10.8600, 36.9752

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.



51.8451, 27.2724, 46.5707



13.6362, 27.2724, 4.5454



32.1043, 27.2724, 131.8703

Square

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



13.6362, 27.2724, 4.5454



13.9794, 27.2724, 96.6291



43.9850, 27.2724, 93.3812



43.2461, 27.2724, 4.1306

Rectangle

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



13.6362, 27.2724, 4.5454



10.2339, 27.2724, 36.3967



43.9850, 27.2724, 93.3812



52.6471, 27.2724, 23.8710

Sweetspot

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



13.6368, 27.2735, 4.5460



43.2914, 58.4040, 38.5817



29.3632, 35.3808, 5.2816



9.1879, 12.8296, 7.8162



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.6368, 27.2735, 4.5460



24.7486, 49.4970, 8.2501



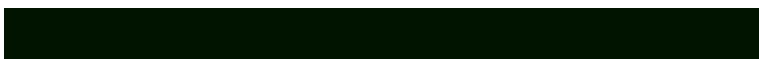
15.1981, 27.8981, 12.7677



7.4368, 8.4078, 8.0203



10.5743, 21.1485, 3.5251



0.2573, 0.5145, 0.0858

Inverse Universe

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



22.6083, 10.8600, 36.9752



41.0304, 19.7092, 67.1037



17.2879, 8.7319, 8.9582



7.8419, 7.6666, 9.4847



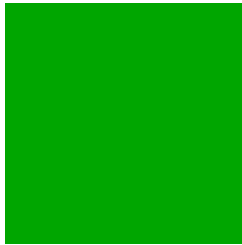
17.5310, 8.4211, 28.6714



0.4265, 0.2049, 0.6976

Previews

White Background



This preview shows how the XYZ color 13.6362, 27.2724, 4.5454 looks on a white background.

Color Contrast Check

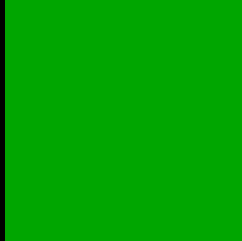
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6362, 27.2724, 4.5454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

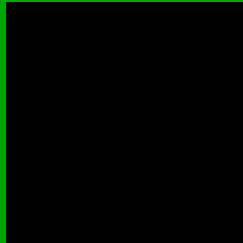
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.6362, 27.2724, 4.5454

Background



This preview shows how black text looks on a background with the XYZ color 13.6362, 27.2724, 4.5454.



This preview shows how white text looks on a background with the XYZ color 13.6362, 27.2724,

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

13.6362, 27.2724, 4.5454

Protanopia

24.1702, 26.8196, 3.9028

Deuteranopia

27.2036, 26.6425, 5.3778



Tritanopia

21.0564, 27.2033, 40.7002

Trichromacy



Original Color

13.6362, 27.2724, 4.5454



Protanomaly

16.5461, 24.9580, 3.9453



Deuteranomaly

17.2436, 24.1303, 4.5594



Tritanomaly

15.9106, 26.0522, 17.8257

Monochromacy



Original Color

13.6362, 27.2724, 4.5454



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

9.8156, 15.2910, 6.9915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6362, 27.2724, 4.5454 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(0, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 0)  
}
```

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(0, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.6362, 27.2724, 4.5454 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(0, 166, 0) }
```


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

```
.border{ border-color:rgb(0, 166, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 166, 0); box-shadow:4px  
4px 4px 4px rgb(0, 166, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6362, 27.2724, 4.5454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 0) }
```

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

```
.background{ background-color: rgb(0, 166,  
0) }
```

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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