

Converting Colors

XYZ(13.6943, 27.2350, 4.5351)

Have a look what the booklet for
XYZ(13.6943, 27.2350, 4.5351)
contains.

XYZ(13.7364, 27.3241, 4.5501)	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(13.7364, 27.3241,
4.5501)**

Conversions

Conversions Part 1

Format	Color
Hex	08A600
RGB	8, 166, 0
RGB Percent	3%, 65%, 0%
CMY	0.9686, 0.3490, 0.9999
CMYK	0.95, 0.00, 1.00, 0.35
HSL	117°, 100%, 33%
HSV	117°, 100%, 65%
XYZ	13.7364, 27.3241, 4.5501
YIQ	99.8340, -40.8820, -85.1220

Conversions

Conversions Part 2

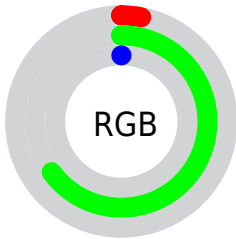
Format	Color
RYB	0, 166, 158
Decimal	566784
CIELab	59.27, -62.06, 60.38
CIElCh	59, 86.586, 135.789
Yxy	27.3241, 0.3012, 0.5991
Android (android.graphics.Color)	4278756864 (0xFF08A600)
YUV	99.8340, -49.2182, -80.5384
Hunter-Lab	52.2725, -44.5697, 31.4298

Details

The XYZ color **13.7364, 27.3241, 4.5501** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.9871, 10.0243, 36.9066**, and the grayscale version is **12.2009, 12.8363, 13.9787**.

A 20% lighter version of the original color is **32.1477, 55.2104, 15.2656**, and **5.7942, 11.5883, 1.9314** is the 20% darker color. If you saturate the color by 10%, you get **13.7368, 27.3251, 4.5503**, and if you desaturate by 10%, it is **14.1070, 27.5046, 5.0801**.

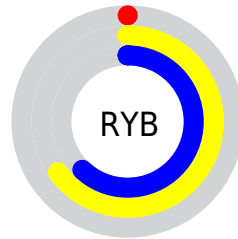
Distribution



Red (3%)

Green (65%)

Blue (0%)



Red (0%)

Yellow (65%)

Blue (62%)

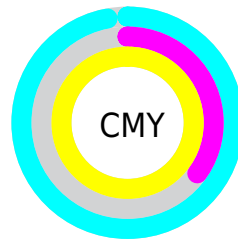


Cyan (95%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (97%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7364, 27.3241, 4.5501 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 13.7364, 27.3241, 4.5501 by changing the saturation by 10% instead.

■ 13.7364, 27.3241,
4.5501

■ 13.7364, 27.3241,
4.5501

209.1283,
289.2229, 154.1564

■ 8.0180, 17.8168,
1.9317

■ 32.2108, 55.4035,
15.2598

■ 4.1584, 10.8185,
0.5128

■ 45.6975, 74.7444,
24.1882

■ 1.7921, 5.9449,
0.0000

■ 62.5043, 98.1319,
36.0570

■ 0.5129, 2.8116,
0.0000

■ 82.9967, 125.9505,
51.2848


■ 0.0000, 1.0342,
0.0000


■ 107.5399,
158.5844, 70.2901


■ 0.0000, 0.0000,
0.0000


■ 136.4994,


196.4183, 93.4915


 170.2404,
239.8363, 121.3074


 13.7364, 27.3241,
4.5501


 13.7364, 27.3241,
4.5501


 13.7368, 27.3251,
4.5503

 14.1070, 27.5046,
5.0801

 14.7741, 27.8278,
6.0474

 15.8065, 28.3260,
7.6312

 17.2463, 29.0193,
9.9112

 19.1302, 29.9251,
12.9548

■ 21.4904, 31.0587,
16.8219

■ 24.3565, 32.4342,
21.5660

■ 27.7555, 34.0644,
27.2365

■ 31.7125, 35.9614,
33.8788

Harmonies

Analogous

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



20.7142, 27.3241, 1.3651



13.7364, 27.3241, 4.5501



10.5795, 27.3241, 17.3960

Triad

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



13.7364, 27.3241, 4.5501



21.1933, 27.3241, 132.8592



51.5565, 27.3241, 16.3123

Complementary

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



13.7364, 27.3241, 4.5501



20.9871, 10.0243, 36.9066

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.



51.7908, 27.3241, 46.8955



13.7364, 27.3241, 4.5501



32.0488, 27.3241, 131.7122

Square

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



13.7364, 27.3241, 4.5501



14.0028, 27.3241, 96.0978



43.9066, 27.3241, 93.5876



43.3348, 27.3241, 4.2266

Rectangle

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



13.7364, 27.3241, 4.5501



10.2907, 27.3241, 36.1703



43.9066, 27.3241, 93.5876



52.6355, 27.3241, 24.1406

Sweetspot

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



13.7370, 27.3252, 4.5507



43.8830, 58.7090, 38.6069



27.9030, 32.4601, 4.7952



9.3274, 12.9015, 7.8222



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.



13.7370, 27.3252, 4.5507



24.8790, 49.5642, 8.2556



14.8971, 27.7777, 11.1811



7.4689, 8.4243, 8.0217



10.6633, 21.1944, 3.5289



0.2696, 0.5209, 0.0863

Inverse Universe

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



20.9871, 10.0243, 36.9066



38.0344, 18.1644, 66.9767



17.6284, 8.8683, 10.7501



7.8057, 7.6480, 9.4831



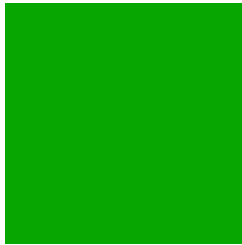
16.2850, 7.7787, 28.6186



0.4067, 0.1946, 0.6968

Previews

White Background



This preview shows how the XYZ color 13.7364, 27.3241, 4.5501 looks on a white background.

Color Contrast Check

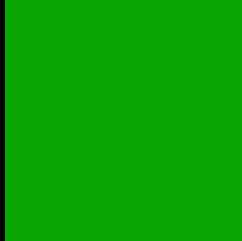
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7364, 27.3241, 4.5501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

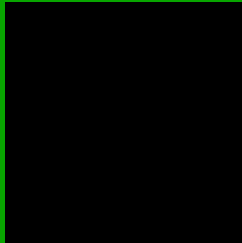
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.7364, 27.3241, 4.5501

Background



This preview shows how black text looks on a background with the XYZ color 13.7364, 27.3241, 4.5501.



This preview shows how white text looks on a background with the XYZ color 13.7364, 27.3241,

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

13.7364, 27.3241, 4.5501

Protanopia

24.1702, 26.8196, 3.9028

Deuteranopia

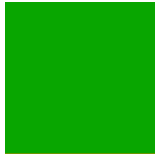
27.3425, 26.9203, 5.4241



Tritanopia

21.0564, 27.2033, 40.7002

Trichromacy



Original Color

13.7364, 27.3241, 4.5501



Protanomaly

16.8923, 25.1365, 3.9615



Deuteranomaly

17.6360, 24.3326, 4.5778



Tritanomaly

16.0007, 26.0987, 17.8299

Monochromacy



Original Color

13.7364, 27.3241, 4.5501



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

10.4478, 15.9788, 7.3840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7364, 27.3241, 4.5501 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(8, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(8, 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(8, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 166, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.7364, 27.3241, 4.5501 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(8, 166, 0) }
```


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

```
.border{ border-color:rgb(8, 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(8, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 166, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 166, 0); box-shadow:4px  
4px 4px 4px rgb(8, 166, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7364, 27.3241, 4.5501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 166, 0) }
```

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

```
.background{ background-color: rgb(8, 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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