

Converting Colors

XYZ(29.4957, 54.6196, 23.3100)

Have a look what the booklet for
XYZ(29.4957, 54.6196, 23.3100)
contains.

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Color

**XYZ(29.3624, 54.3940,
23.1389)**

Conversions

Conversions Part 1

Format	Color
Hex	00E06C
RGB	0, 224, 108
RGB Percent	0%, 88%, 42%
CMY	1.0000, 0.1216, 0.5765
CMYK	1.00, 0.00, 0.52, 0.12
HSL	149°, 100%, 44%
HSV	149°, 100%, 88%
XYZ	29.3624, 54.3940, 23.1389
YIQ	143.8000, -96.2680, -83.5640

Conversions

Conversions Part 2

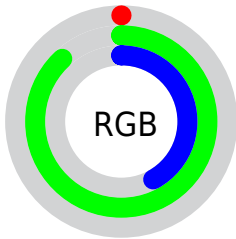
Format	Color
RYB	0, 151, 224
Decimal	57452
CIELab	78.69, -70.15, 43.91
CIELCh	79, 82.757, 147.955
Yxy	54.3940, 0.2747, 0.5089
Android (android.graphics.Color)	4278247532 (0xFF00E06C)
YUV	143.8000, -17.6494, -126.1126
Hunter-Lab	73.7523, -58.0017, 33.0251

Details

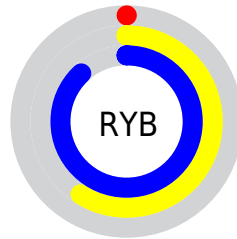
The XYZ color **29.3624, 54.3940, 23.1389** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **33.8947, 17.1093, 18.0420**, and the grayscale version is **26.5272, 27.9087, 30.3925**.

A 20% lighter version of the original color is **48.3450, 77.2544, 46.5460**, and **14.5572, 27.9328, 8.4952** is the 20% darker color. If you saturate the color by 10%, you get **29.3634, 54.3960, 23.1388**, and if you desaturate by 10%, it is **30.3628, 54.8351, 26.6274**.

Distribution



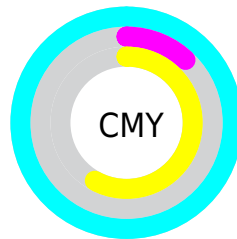
- Red (0%)
- Green (88%)
- Blue (42%)



- Red (0%)
- Yellow (59%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3624, 54.3940, 23.1389 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 29.3624, 54.3940, 23.1389 by changing the saturation by 10% instead.


 29.3624, 54.3940,
23.1389


 29.3624, 54.3940,
23.1389


290.8845,
403.6107, 281.5826


 19.5008, 38.9167,
14.4898


 58.0460, 96.6525,
49.5474


 12.1388, 26.6950,
8.3195

 77.5986, 124.2025,
68.1439


 6.9112, 17.3443,
4.2094


 101.1124,
156.5456, 90.8933

 3.4525, 10.4803,
1.7409

 128.9525,
194.0662, 118.2141

 1.3973, 5.7185,
0.3885

 161.4845,
237.1485, 150.5249

 0.2543, 2.6747,
0.0000

199.0735,

 0.0000, 0.9644,

286.1772, 188.2443

0.0000

242.0851,
341.5364, 231.7906

■ 0.0000, 0.0000,
0.0000

■ 29.3624, 54.3940,
23.1389

■ 29.3624, 54.3940,
23.1389

■ 29.3634, 54.3960,
23.1388

■ 30.3628, 54.8351,
26.6274

■ 31.8411, 55.5112,
30.5819

■ 33.9290, 56.4914,
35.0248

■ 36.7019, 57.8142,
39.9740

■ 40.2237, 59.5122,
45.4462

■ 44.5503, 61.6142,
51.4573

■ 49.7324, 64.1457,
58.0222

■ 55.8162, 67.1304,
65.1553

■ 62.8444, 70.5901,
72.8706

Harmonies

Analogous

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



38.3146, 54.3940, 9.9749



29.3624, 54.3940, 23.1389



26.2100, 54.3940, 56.0694

Triad

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



29.3624, 54.3940, 23.1389



50.5857, 54.3940, 202.5284



84.7507, 54.3940, 26.2435

Complementary

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



29.3624, 54.3940, 23.1389



33.8947, 17.1093, 18.0420

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.



89.9263, 54.3940, 62.4985



29.3624, 54.3940, 23.1389



67.8876, 54.3940, 179.7198

Square

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



29.3624, 54.3940, 23.1389



36.7447, 54.3940, 173.0667



83.1999, 54.3940, 121.0180



70.2453, 54.3940, 10.9876

Rectangle

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



29.3624, 54.3940, 23.1389



27.1828, 54.3940, 91.5543



83.1999, 54.3940, 121.0180



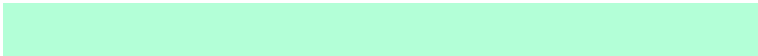
87.7579, 54.3940, 35.5742

Sweetspot

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



29.3637, 54.3962, 23.1401



66.5500, 85.9702, 77.6345



34.3296, 57.2689, 9.2449



13.5841, 18.0782, 15.7983



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.



29.3637, 54.3962, 23.1401



39.3316, 72.9486, 30.7275



39.1211, 58.2991, 74.5215



13.8027, 15.4468, 15.9962



17.1485, 31.6842, 13.7709



1.2337, 2.2142, 1.1920

Inverse Universe

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



33.8947, 17.1093, 18.0420



45.4088, 22.9275, 23.8826



30.7827, 15.8645, 1.6544



14.0021, 13.8185, 15.7814



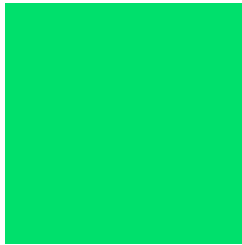
19.7867, 9.9817, 10.8084



1.4167, 0.7100, 0.9872

Previews

White Background



This preview shows how the XYZ color 29.3624, 54.3940, 23.1389 looks on a white background.

Color Contrast Check

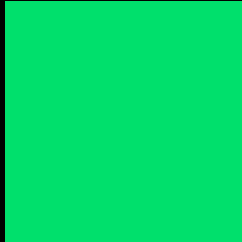
Large Text (above 18pt) WCAG AA × Fail

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 29.3624, 54.3940, 23.1389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

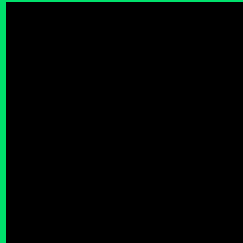
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.3624, 54.3940, 23.1389

Background



This preview shows how black text looks on a background with the XYZ color 29.3624, 54.3940, 23.1389.

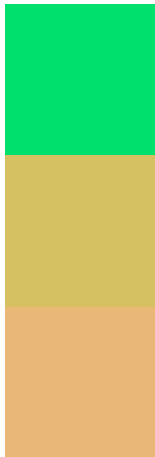


This preview shows how white text looks on a background with the XYZ color 29.3624, 54.3940,

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

29.3624, 54.3940, 23.1389

Protanopia

48.7151, 53.1679, 19.2501

Deuteranopia

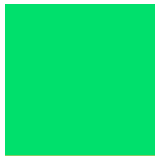
54.3422, 53.0814, 24.5211



Tritanopia

41.1356, 54.1684, 81.6863

Trichromacy



Original Color

29.3624, 54.3940, 23.1389



Protanomaly

34.1445, 49.3793, 20.3019



Deuteranomaly

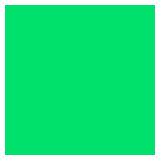
35.8551, 48.4513, 23.3819



Tritanomaly

34.7831, 53.3847, 53.8184

Monochromacy



Original Color

29.3624, 54.3940, 23.1389



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.4539, 33.8011, 26.7609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3624, 54.3940, 23.1389 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, 224, 108)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 108)  
}
```

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, 224, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 108) }
```

Border

The CSS property to change the border of an element to XYZ 29.3624, 54.3940, 23.1389 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, 224, 108) }
```


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

```
.border{ border-color:rgb(0, 224, 108) }
```

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

Here you see how a box with a 4 pixel rgb(0, 224, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 108);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3624, 54.3940, 23.1389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 108) }
```

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

```
.background{ background-color: rgb(0, 224,  
108) }
```

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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