

Converting Colors

XYZ(32.2590, 46.9097, 9.1045)

Have a look what the booklet for
XYZ(32.2590, 46.9097, 9.1045)
contains.

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Color

**XYZ(32.2590, 46.9097,
9.1045)**

Conversions

Conversions Part 1

Format	Color
Hex	90C725
RGB	144, 199, 37
RGB Percent	56%, 78%, 15%
CMY	0.4353, 0.2196, 0.8549
CMYK	0.28, 0.00, 0.81, 0.22
HSL	80°, 69%, 46%
HSV	80°, 81%, 78%
XYZ	32.2590, 46.9097, 9.1045
YIQ	164.0870, 19.2220, -62.0420

Conversions

Conversions Part 2

Format	Color
RYB	37, 199, 92
Decimal	9488165
CIELab	74.13, -39.73, 67.94
CIELCh	74, 78.706, 120.316
Yxy	46.9097, 0.3654, 0.5314
Android (android.graphics.Color)	4287678245 (0xFF90C725)
YUV	164.0870, -62.6539, -17.6163
Hunter-Lab	68.4907, -35.7854, 40.0620

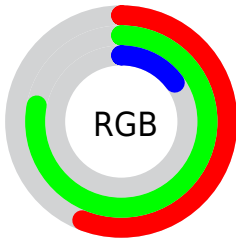
Details

The XYZ color **32.2590, 46.9097, 9.1045** is a dark color, and the websafe version is hex **99CC33**.

The color can be described as dark muted chartreuse. A complement of this color would be **15.3860, 7.7233, 54.7153**, and the grayscale version is **35.6121, 37.4667, 40.8013**.

A 20% lighter version of the original color is **62.3217, 84.9584, 24.6692**, and **14.0559, 22.2770, 3.5591** is the 20% darker color. If you saturate the color by 10%, you get **30.8829, 46.2286, 7.8300**, and if you desaturate by 10%, it is **33.8781, 47.6994, 11.2803**.

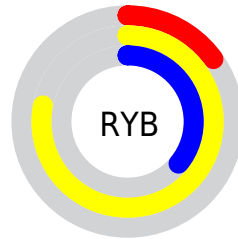
Distribution



Red (56%)

Green (78%)

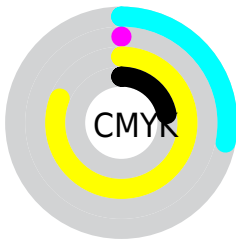
Blue (15%)



Red (15%)

Yellow (78%)

Blue (36%)

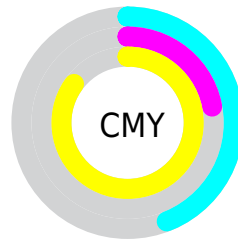


Cyan (28%)

Magenta (0%)

Yellow (81%)

Black (22%)



Cyan (44%)


Magenta (22%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2590, 46.9097, 9.1045 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 32.2590, 46.9097, 9.1045 by changing the saturation by 10% instead.


 32.2590, 46.9097,
9.1045


 32.2590, 46.9097,
9.1045


304.0218,
374.4540, 194.4022

 21.7159, 32.9643,
4.7117


 62.5794, 85.5788,
24.6779

 13.7637, 22.0991,
2.0233


 83.0873, 111.0713,
36.6955

 8.0371, 13.9297,
0.5696


 107.6476,
141.1816, 52.0918

 4.1707, 8.0718,
0.0000

 136.6257,
176.2941, 71.2853

 1.7992, 4.1409,
0.0000

 170.3867,
216.7932, 94.6945

 0.5172, 1.7527,
0.0000

 209.2962,

 0.0000, 0.4574,

263.0633, 122.7381

0.0000

253.7194,
315.4887, 155.8345

■ 0.0000, 0.0000,
0.0000

■ 32.2590, 46.9097,
9.1045

■ 32.2590, 46.9097,
9.1045

■ 30.8829, 46.2286,
7.8300

■ 33.8781, 47.6994,
11.2803

■ 29.8519, 45.7089,
7.2493

■ 35.7624, 48.6019,
14.4820

■ 37.9344, 49.6279,
18.8181

■ 40.4131, 50.7851,
24.3820

■ 43.2155, 52.0805,
31.2579

■ 46.3573, 53.5205,
39.5222

■ 49.8529, 55.1110,
49.2457

■ 53.7158, 56.8574,
60.4942

■ 57.9589, 58.7651,
73.3296

Harmonies

Analogous

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



44.4368, 46.9097, 6.1402



32.2590, 46.9097, 9.1045



24.9446, 46.9097, 21.4782

Triad

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



32.2590, 46.9097, 9.1045



32.4683, 46.9097, 152.5169



77.5441, 46.9097, 50.6495

Complementary

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



32.2590, 46.9097, 9.1045



15.3860, 7.7233, 54.7153

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.



72.5148, 46.9097, 99.9533



32.2590, 46.9097, 9.1045



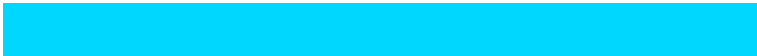
44.7360, 46.9097, 174.6219

Square

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



32.2590, 46.9097, 9.1045



25.0464, 46.9097, 101.1188



59.7111, 46.9097, 151.6302



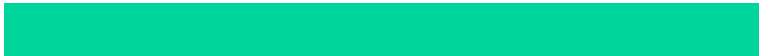
72.3081, 46.9097, 21.0644

Rectangle

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



32.2590, 46.9097, 9.1045



22.8537, 46.9097, 39.1031



59.7111, 46.9097, 151.6302



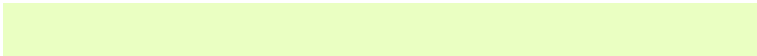
76.9877, 46.9097, 65.2745

Sweetspot

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



32.2601, 46.9118, 9.1055



79.4792, 92.9358, 64.6706



27.6301, 19.7596, 4.1086



16.5851, 19.6965, 12.7181



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.



32.2601, 46.9118, 9.1055



52.3977, 80.0938, 12.8445



22.8733, 42.0727, 8.6662



11.1606, 12.2297, 11.3351



19.2912, 29.4403, 4.6658



0.9886, 1.4327, 0.2244

Inverse Universe

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



15.3860, 7.7233, 54.7153



22.3171, 9.5019, 95.2656



27.9855, 14.2186, 55.3050



10.3905, 10.4596, 13.3888



8.2271, 3.4755, 34.9816



0.4672, 0.2046, 1.6600

Previews

White Background



This preview shows how the XYZ color 32.2590, 46.9097, 9.1045 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 32.2590, 46.9097, 9.1045 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 32.2590, 46.9097, 9.1045

Background



This preview shows how black text looks on a background with the XYZ color 32.2590, 46.9097, 9.1045.



This preview shows how white text looks on a background with the XYZ color 32.2590, 46.9097,

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

32.2590, 46.9097, 9.1045

Protanopia

41.8905, 46.3976, 8.1143

Deuteranopia

47.3450, 46.2380, 9.5615



Tritanopia

42.6746, 46.5494, 61.3793

Trichromacy



Original Color

32.2590, 46.9097, 9.1045

Protanomaly

37.5634, 46.0270, 8.4177

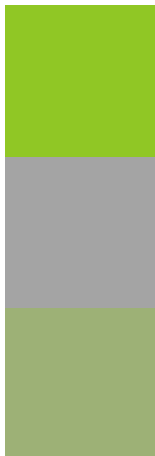
Deuteranomaly

40.2470, 45.5235, 9.2504

Tritanomaly

36.7387, 45.7186, 32.0875

Monochromacy



Original Color

32.2590, 46.9097, 9.1045

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

32.8968, 39.9204, 23.1111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2590, 46.9097, 9.1045 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(144, 199, 37)` looks like.

```
.text, #text, p{  
    color:rgb(144, 199, 37)  
}
```

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(144, 199, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 199, 37) }
```

Border

The CSS property to change the border of an element to XYZ 32.2590, 46.9097, 9.1045 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(144, 199, 37) }
```


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

```
.border{ border-color:rgb(144, 199, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 199, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 199, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 199, 37);  
box-shadow:4px 4px 4px 4px rgb(144, 199,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2590, 46.9097, 9.1045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 199, 37) }
```

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

```
.background{ background-color: rgb(144,  
199, 37) }
```

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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