

Converting Colors

XYZ(46.0089, 60.0949, 29.9434)

Have a look what the booklet for
XYZ(46.0089, 60.0949, 29.9434)
contains.

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Color

**XYZ(46.0089, 60.0949,
29.9434)**

Conversions

Conversions Part 1

Format	Color
Hex	ADD981
RGB	173, 217, 129
RGB Percent	68%, 85%, 51%
CMY	0.3216, 0.1490, 0.4941
CMYK	0.20, 0.00, 0.41, 0.15
HSL	90°, 54%, 68%
HSV	90°, 41%, 85%
XYZ	46.0089, 60.0949, 29.9434
YIQ	193.8120, 2.0240, -36.6960

Conversions

Conversions Part 2

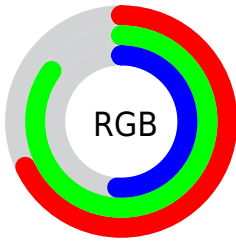
Format	Color
RYB	129, 217, 173
Decimal	11393409
CIELab	81.89, -29.35, 38.72
CIElCh	82, 48.583, 127.165
Yxy	60.0949, 0.3382, 0.4417
Android (android.graphics.Color)	4289583489 (0xFFADD981)
YUV	193.8120, -31.9523, -18.2521
Hunter-Lab	77.5209, -29.7213, 31.3631

Details

The XYZ color **46.0089, 60.0949, 29.9434** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **37.6107, 29.5962, 69.3793**, and the grayscale version is **51.3505, 54.0247, 58.8329**.

A 20% lighter version of the original color is **76.9404, 91.7619, 58.4564**, and **21.9032, 30.3127, 11.9042** is the 20% darker color. If you saturate the color by 10%, you get **42.4145, 58.3931, 23.0289**, and if you desaturate by 10%, it is **50.1075, 62.0249, 38.4829**.

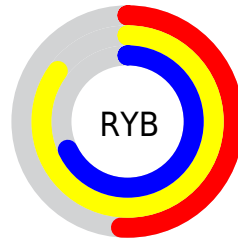
Distribution



Red (68%)

Green (85%)

Blue (51%)



Red (51%)

Yellow (85%)

Blue (68%)

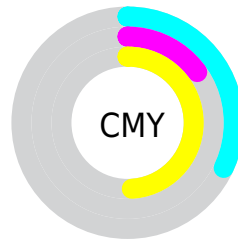


Cyan (20%)

Magenta (0%)

Yellow (41%)

Black (15%)



Cyan (32%)


Magenta (15%)


Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0089, 60.0949, 29.9434 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 46.0089, 60.0949, 29.9434 by changing the saturation by 10% instead.


 46.0089, 60.0949,
29.9434

 46.0089, 60.0949,
29.9434


361.5598,
424.9475, 315.8396

 32.4575, 43.4951,
19.5439


 83.4601, 104.9673,
60.6326

 21.8684, 30.2738,
11.8832


 108.0906,
134.0088, 81.7594

 13.8763, 20.0465,
6.5426


 137.1449,
167.9662, 107.2991

 8.1158, 12.4288,
3.1037

170.9882,
207.2241, 137.6702

 4.2216, 7.0364,
1.1478

209.9860,
252.1667, 173.2913

 1.8282, 3.4849,
0.0000

254.5037,

 0.5346, 1.3898,

303.1786, 214.5809

0.0000

304.9064,
360.6440, 261.9575

■ 0.0000, 0.2092,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.0089, 60.0949,
29.9434

■ 46.0089, 60.0949,
29.9434

■ 42.4145, 58.3931,
23.0289

■ 50.1075, 62.0249,
38.4829

■ 39.2958, 56.9016,
17.6321


■ 54.7282, 64.1848,
48.7376


■ 36.6275, 55.6116,
13.6394


■ 59.8932, 66.5859,
60.7958


■ 34.3798, 54.5108,
10.9190


■ 65.6221, 69.2366,
74.7385


 32.5177, 53.5844,
9.3144

 71.9333, 72.1446,
90.6420

 31.0588, 52.8474,
8.5636

 78.1598, 75.0438,
104.9732

 81.9159, 76.9801,
105.1490

 84.1041, 78.1082,
105.2514

Harmonies

Analogous

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



54.6925, 60.0949, 23.8566



46.0089, 60.0949, 29.9434



40.7959, 60.0949, 45.8632

Triad

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



46.0089, 60.0949, 29.9434



49.7987, 60.0949, 132.5482



79.0161, 60.0949, 58.6349

Complementary

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



46.0089, 60.0949, 29.9434



37.6107, 29.5962, 69.3793

Split Complementary

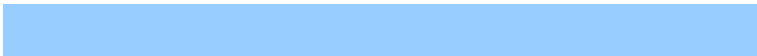
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3002, 60.0949, 89.9022



46.0089, 60.0949, 29.9434



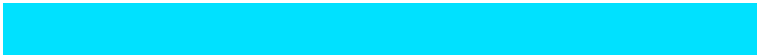
59.6150, 60.0949, 139.0345

Square

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



46.0089, 60.0949, 29.9434



42.7941, 60.0949, 105.8497



69.8861, 60.0949, 121.5814



74.3281, 60.0949, 36.8891

Rectangle

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



46.0089, 60.0949, 29.9434



39.5917, 60.0949, 62.6784



69.8861, 60.0949, 121.5814



79.1776, 60.0949, 68.2674

Sweetspot

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



46.0104, 60.0975, 29.9447



85.1019, 95.3962, 84.7337



47.5236, 46.2260, 27.1875



17.9990, 20.3183, 17.6253



0.0000, 0.0000, 0.0000



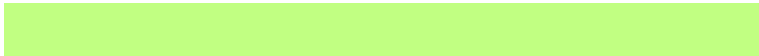
20.3446, 21.4041, 23.3091

Same Dimension

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



46.0104, 60.0975, 29.9447



61.6629, 84.4076, 34.1790



37.8303, 55.8805, 29.5619



13.5037, 14.9244, 13.8946



18.9223, 32.0523, 5.1894



1.3253, 2.1277, 0.3408

Inverse Universe

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



37.6107, 29.5962, 69.3793



47.9118, 34.4743, 98.7367



48.9923, 35.4636, 69.9119



12.9559, 12.9354, 16.4661



11.4847, 5.0448, 40.1068



0.8434, 0.3781, 2.6030

Previews

White Background



This preview shows how the XYZ color 46.0089, 60.0949, 29.9434 looks on a white background.

Color Contrast Check

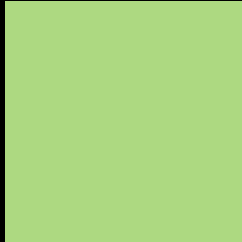
Large Text (above 18pt) WCAG AA × Fail

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 46.0089, 60.0949, 29.9434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

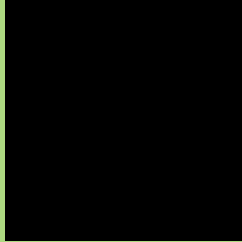
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0089, 60.0949, 29.9434

Background



This preview shows how black text looks on a background with the XYZ color 46.0089, 60.0949, 29.9434.



This preview shows how white text looks on a background with the XYZ color 46.0089, 60.0949,

29.9434.

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

46.0089, 60.0949, 29.9434

Protanopia

55.1182, 59.6967, 27.6864

Deuteranopia

60.9031, 59.5379, 30.8363



Tritanopia

55.7496, 59.9813, 77.7465

Trichromacy



Original Color

46.0089, 60.0949, 29.9434

Protanomaly

51.2236, 59.4555, 28.5149

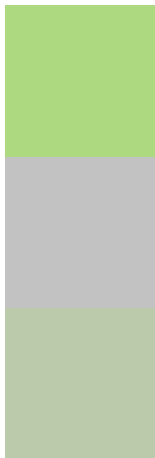
Deuteranomaly

54.1988, 58.8124, 30.3251

Tritanomaly

51.4151, 59.6691, 56.3844

Monochromacy



Original Color

46.0089, 60.0949, 29.9434

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

48.6259, 55.5824, 46.1958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0089, 60.0949, 29.9434 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(173, 217, 129)` looks like.

```
.text, #text, p{  
    color:rgb(173, 217, 129)  
}
```

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(173, 217, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 217, 129) }
```

Border

The CSS property to change the border of an element to XYZ 46.0089, 60.0949, 29.9434 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(173, 217, 129) }
```


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

```
.border{ border-color:rgb(173, 217, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 217, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 217, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 217, 129);  
box-shadow:4px 4px 4px 4px rgb(173, 217,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0089, 60.0949, 29.9434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 217, 129) }
```

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

```
.background{ background-color: rgb(173,  
217, 129) }
```

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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