

Converting Colors

XYZ(46.6617, 63.9788, 32.4277)

Have a look what the booklet for
XYZ(46.6617, 63.9788, 32.4277)
contains.

XYZ(46.6037, 63.9005, 32.4320)	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(46.6037, 63.9005,
32.4320)**

Conversions

Conversions Part 1

Format	Color
Hex	A3E286
RGB	163, 226, 134
RGB Percent	64%, 89%, 53%
CMY	0.3608, 0.1137, 0.4745
CMYK	0.28, 0.00, 0.41, 0.11
HSL	101°, 61%, 71%
HSV	101°, 41%, 89%
XYZ	46.6037, 63.9005, 32.4320
YIQ	196.6750, -8.0160, -41.9680

Conversions

Conversions Part 2

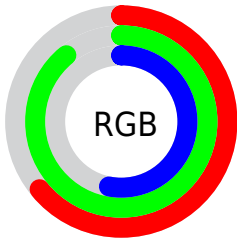
Format	Color
RYB	134, 226, 197
Decimal	10740358
CIELab	83.91, -36.39, 38.70
CIElCh	84, 53.120, 133.240
Yxy	63.9005, 0.3260, 0.4471
Android (android.graphics.Color)	4288930438 (0xFFA3E286)
YUV	196.6750, -30.8988, -29.5330
Hunter-Lab	79.9378, -35.8257, 31.9016

Details

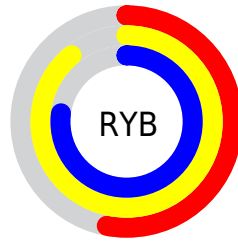
The XYZ color **46.6037, 63.9005, 32.4320** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **45.2814, 34.4134, 76.2109**, and the grayscale version is **53.0602, 55.8234, 60.7917**.

A 20% lighter version of the original color is **74.3523, 90.3665, 61.1006**, and **22.2427, 32.6252, 13.3086** is the 20% darker color. If you saturate the color by 10%, you get **42.2158, 61.8035, 24.8595**, and if you desaturate by 10%, it is **51.7195, 66.3377, 41.7994**.

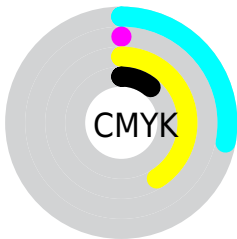
Distribution



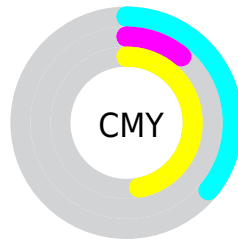
- Red (64%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (77%)



- Cyan (28%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)





- Cyan (36%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6037, 63.9005, 32.4320 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 46.6037, 63.9005, 32.4320 by changing the saturation by 10% instead.


 46.6037, 63.9005,
32.4320


 46.6037, 63.9005,
32.4320


363.9058,
438.8302, 327.6356


 32.9291, 46.5701,
21.4241


 84.3441, 110.4676,
64.5935

 22.2311, 32.6959,
13.2401


 109.1407,
140.4731, 86.5842

 14.1444, 21.8936,
7.4614


 138.3752,
175.4725, 113.0729

 8.3035, 13.7787,
3.6695

172.4131,
215.8500, 144.4781

 4.3432, 7.9669,
1.4459

211.6198,
261.9902, 181.2185

 1.8981, 4.0738,
0.1771

256.3606,

 0.5757, 1.7149,

314.2773, 223.7125

0.0000

307.0008,
373.0959, 272.3787

■ 0.0000, 0.4333,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.6037, 63.9005,
32.4320

■ 46.6037, 63.9005,
32.4320

■ 42.2158, 61.8035,
24.8595

■ 51.7195, 66.3377,
41.7994

■ 38.5155, 60.0226,
18.9631


■ 57.5915, 69.1216,
53.0622


■ 35.4654, 58.5432,
14.6162


■ 64.2520, 72.2687,
66.3184

■ 33.0220, 57.3462,
11.6722

■ 71.7301, 75.7921,
81.6577

 31.1354, 56.4097,
9.9566

 80.0533, 79.7040,
99.1649

 29.8134, 55.7438,
9.1883

 86.4877, 82.8754,
106.0459

Harmonies

Analogous

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



55.7323, 63.9005, 23.8478



46.6037, 63.9005, 32.4320



41.6574, 63.9005, 52.6176

Triad

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



46.6037, 63.9005, 32.4320



54.4824, 63.9005, 151.1956



85.3443, 63.9005, 55.8521

Complementary

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



46.6037, 63.9005, 32.4320



45.2814, 34.4134, 76.2109

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.



84.8968, 63.9005, 89.8368



46.6037, 63.9005, 32.4320



66.0295, 63.9005, 152.9191

Square

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



46.6037, 63.9005, 32.4320



45.7902, 63.9005, 123.6405



77.4692, 63.9005, 127.7880



78.6231, 63.9005, 34.1421

Rectangle

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



46.6037, 63.9005, 32.4320



40.9469, 63.9005, 73.2781



77.4692, 63.9005, 127.7880



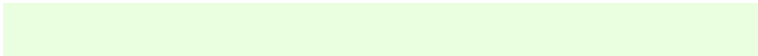
86.0506, 63.9005, 66.0022

Sweetspot

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



46.6053, 63.9033, 32.4334



83.2152, 94.4235, 84.6454



55.6057, 57.7647, 30.7742



17.5562, 20.0900, 17.6046



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.



46.6053, 63.9033, 32.4334



56.2478, 81.6160, 33.9256



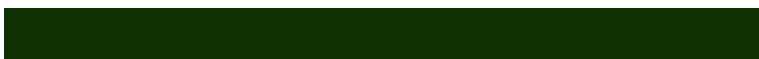
42.6049, 61.6940, 38.8853



13.9333, 15.5458, 14.5731



17.1162, 31.8563, 5.2468



1.2769, 2.2547, 0.3679

Inverse Universe

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



45.2814, 34.4134, 76.2109



54.2453, 37.7393, 99.0331



51.4167, 37.8307, 65.0032



13.8529, 13.7077, 17.3034



15.6458, 7.1610, 41.6059



1.1758, 0.5434, 2.8882

Previews

White Background



This preview shows how the XYZ color 46.6037, 63.9005, 32.4320 looks on a white background.

Color Contrast Check

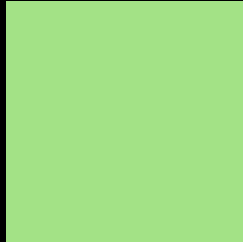
Large Text (above 18pt) WCAG AA × Fail

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 46.6037, 63.9005, 32.4320 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 46.6037, 63.9005, 32.4320

Background



This preview shows how black text looks on a background with the XYZ color 46.6037, 63.9005, 32.4320.



This preview shows how white text looks on a background with the XYZ color 46.6037, 63.9005,

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

46.6037, 63.9005, 32.4320

Protanopia

58.3815, 63.1380, 29.1885

Deuteranopia

64.5814, 63.0643, 33.5798



Tritanopia

57.2025, 63.5030, 85.5864

Trichromacy



Original Color

46.6037, 63.9005, 32.4320



Protanomaly

53.2315, 63.0500, 30.4834



Deuteranomaly

56.3014, 62.3413, 33.1104



Tritanomaly

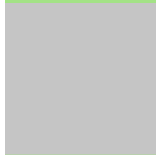
52.2688, 63.0126, 61.6323

Monochromacy



Original Color

46.6037, 63.9005, 32.4320



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.2034, 58.4820, 48.6866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6037, 63.9005, 32.4320 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(163, 226, 134)` looks like.

```
.text, #text, p{  
    color:rgb(163, 226, 134)  
}
```

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(163, 226, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 226, 134) }
```

Border

The CSS property to change the border of an element to XYZ 46.6037, 63.9005, 32.4320 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(163, 226, 134) }
```


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

```
.border{ border-color:rgb(163, 226, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 226, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 226, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 226, 134); box-shadow:4px 4px 4px 4px rgb(163, 226, 134) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6037, 63.9005, 32.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 226, 134) }
```

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

```
.background{ background-color: rgb(163,  
226, 134) }
```

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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