

Converting Colors

XYZ(45.1534, 63.1987, 32.3315)

Have a look what the booklet for
XYZ(45.1534, 63.1987, 32.3315)
contains.

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Color

**XYZ(45.2097, 63.1819,
32.3668)**

Conversions

Conversions Part 1

Format	Color
Hex	9CE286
RGB	156, 226, 134
RGB Percent	61%, 89%, 53%
CMY	0.3882, 0.1137, 0.4745
CMYK	0.31, 0.00, 0.41, 0.11
HSL	106°, 61%, 71%
HSV	106°, 41%, 89%
XYZ	45.2097, 63.1819, 32.3668
YIQ	194.5820, -12.1880, -43.4520

Conversions

Conversions Part 2

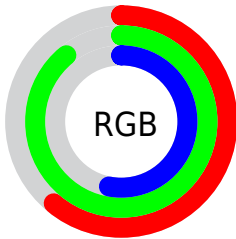
Format	Color
RYB	134, 226, 204
Decimal	10281606
CIELab	83.54, -38.74, 38.14
CIElCh	84, 54.364, 135.448
Yxy	63.1819, 0.3212, 0.4489
Android (android.graphics.Color)	4288471686 (0xFF9CE286)
YUV	194.5820, -29.8669, -33.8364
Hunter-Lab	79.4870, -37.5772, 31.4983

Details

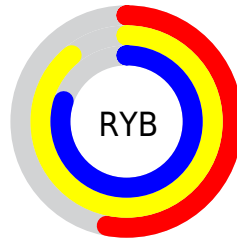
The XYZ color **45.2097, 63.1819, 32.3668** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **47.1574, 35.3806, 76.2987**, and the grayscale version is **51.8016, 54.4993, 59.3497**.

A 20% lighter version of the original color is **72.2777, 89.2970, 61.0036**, and **21.4155, 32.1988, 13.2699** is the 20% darker color. If you saturate the color by 10%, you get **40.7038, 61.0240, 24.7888**, and if you desaturate by 10%, it is **50.5268, 65.7229, 41.7437**.

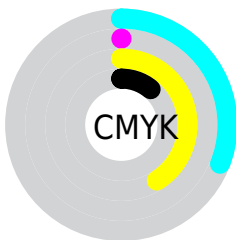
Distribution



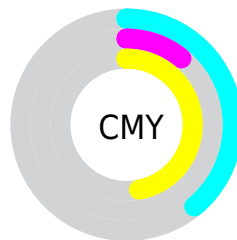
- Red (61%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (80%)



- Cyan (31%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)




- Cyan (39%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2097, 63.1819, 32.3668 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 45.2097, 63.1819, 32.3668 by changing the saturation by 10% instead.


 45.2097, 63.1819,
32.3668

 45.2097, 63.1819,
32.3668


358.3916,
436.2293, 327.3308


 31.8246, 45.9884,
21.3747


 82.2701, 109.4319,
64.4902

 21.3825, 32.2367,
13.2043


 106.6762,
139.2572, 86.4587

 13.5179, 21.5423,
7.4370


 135.4866,
174.0618, 112.9229

 7.8656, 13.5210,
3.6543

169.0667,
214.2302, 144.3016

 4.0601, 7.7883,
1.4377

207.7819,
260.1468, 181.0131

 1.7362, 3.9598,
0.1708

251.9976,

 0.4788, 1.6511,

312.1959, 223.4762

0.0000

302.0790,
370.7619, 272.1092

■ 0.0000, 0.3917,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.2097, 63.1819,
32.3668

■ 45.2097, 63.1819,
32.3668

■ 40.7038, 61.0240,
24.7888

■ 50.5268, 65.7229,
41.7437

■ 36.9630, 59.2222,
18.8905


■ 56.6887, 68.6562,
53.0200


■ 33.9436, 57.7587,
14.5449


■ 63.7326, 72.0010,
66.2941

■ 31.5952, 56.6107,
11.6054

■ 71.6922, 75.7725,
81.6560

 29.8600, 55.7522,
9.8969

 80.5994, 79.9855,
99.1905

 28.7210, 55.1807,
9.1372

 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.



54.1748, 63.1819, 23.0615



45.2097, 63.1819, 32.3668



40.5562, 63.1819, 53.6409

Triad

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



45.2097, 63.1819, 32.3668



54.4976, 63.1819, 153.4595



84.8522, 63.1819, 52.8080

Complementary

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



45.2097, 63.1819, 32.3668



47.1574, 35.3806, 76.2987

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.



84.9687, 63.1819, 86.5625



45.2097, 63.1819, 32.3668



66.3407, 63.1819, 153.0079

Square

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



45.2097, 63.1819, 32.3668



45.4191, 63.1819, 126.6915



77.8331, 63.1819, 125.6076



77.5331, 63.1819, 31.9311

Rectangle

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



45.2097, 63.1819, 32.3668



40.0738, 63.1819, 75.1904



77.8331, 63.1819, 125.6076



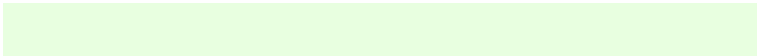
85.7641, 63.1819, 62.7717

Sweetspot

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



45.2113, 63.1846, 32.3682



82.4556, 94.0319, 84.6099



57.0258, 60.6048, 31.2475



17.3783, 19.9983, 17.5963



0.0000, 0.0000, 0.0000



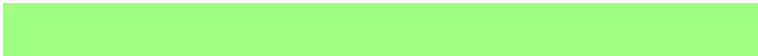
20.3446, 21.4041, 23.3091

Same Dimension

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



45.2113, 63.1846, 32.3682



54.2749, 80.5989, 33.8333



43.1157, 61.8983, 41.5749



13.8341, 15.4946, 14.5684



16.4732, 31.5248, 5.2167



1.2213, 2.2261, 0.3653

Inverse Universe

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



47.1574, 35.3806, 76.2987



57.1295, 39.2262, 99.1681



50.6710, 37.5325, 61.0764



13.9580, 13.7619, 17.3083



17.6440, 8.1911, 41.6995



1.3010, 0.6080, 2.8940

Previews

White Background



This preview shows how the XYZ color 45.2097, 63.1819, 32.3668 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 45.2097, 63.1819, 32.3668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

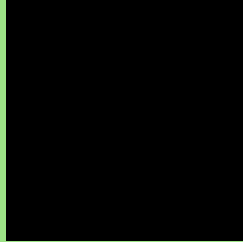
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2097, 63.1819, 32.3668

Background



This preview shows how black text looks on a background with the XYZ color 45.2097, 63.1819, 32.3668.



This preview shows how white text looks on a background with the XYZ color 45.2097, 63.1819,

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

45.2097, 63.1819, 32.3668

Protanopia

57.5076, 62.3267, 29.0780

Deuteranopia

63.6391, 62.2381, 33.4699



Tritanopia

55.6253, 62.6900, 85.5125

Trichromacy



Original Color

45.2097, 63.1819, 32.3668



Protanomaly

52.1632, 62.1223, 30.3606



Deuteranomaly

55.1677, 61.3938, 32.9873



Tritanomaly

50.7611, 62.2353, 61.5618

Monochromacy



Original Color

45.2097, 63.1819, 32.3668



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

48.6702, 56.9835, 47.9689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2097, 63.1819, 32.3668 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(156, 226, 134)` looks like.

```
.text, #text, p{  
    color:rgb(156, 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(156, 226, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 226, 134) }
```

Border

The CSS property to change the border of an element to XYZ 45.2097, 63.1819, 32.3668 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(156, 226, 134) }
```


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

```
.border{ border-color:rgb(156, 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(156, 226, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 226, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 226, 134);  
box-shadow:4px 4px 4px 4px rgb(156, 226,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2097, 63.1819, 32.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 226, 134) }
```

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

```
.background{ background-color: rgb(156,  
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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