

Converting Colors

XYZ(32.9787, 45.7899, 24.0337)

Have a look what the booklet for
XYZ(32.9787, 45.7899, 24.0337)
contains.

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Color

**XYZ(33.1042, 45.9985,
23.9634)**

Conversions

Conversions Part 1

Format	Color
Hex	88C475
RGB	136, 196, 117
RGB Percent	53%, 77%, 46%
CMY	0.4667, 0.2314, 0.5412
CMYK	0.31, 0.00, 0.40, 0.23
HSL	106°, 40%, 61%
HSV	106°, 40%, 77%
XYZ	33.1042, 45.9985, 23.9634
YIQ	169.0540, -10.4010, -37.2890

Conversions

Conversions Part 2

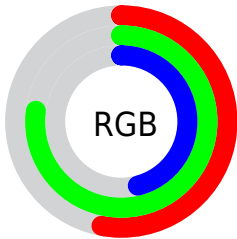
Format	Color
RYB	117, 196, 177
Decimal	8963189
CIELab	73.54, -34.18, 33.64
CIELCh	74, 47.952, 135.457
Yxy	45.9985, 0.3212, 0.4463
Android (android.graphics.Color)	4287153269 (0xFF88C475)
YUV	169.0540, -25.6626, -28.9884
Hunter-Lab	67.8222, -31.5625, 26.5268

Details

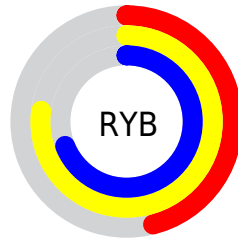
The XYZ color **33.1042, 45.9985, 23.9634** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **34.4586, 26.0565, 55.4403**, and the grayscale version is **37.8665, 39.8385, 43.3842**.

A 20% lighter version of the original color is **63.8668, 84.2292, 50.9219**, and **14.2534, 21.5902, 8.7263** is the 20% darker color. If you saturate the color by 10%, you get **29.8185, 44.4255, 18.4111**, and if you desaturate by 10%, it is **36.9694, 47.8451, 30.8042**.

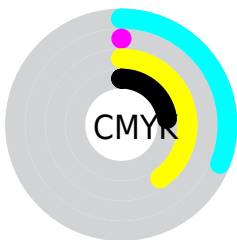
Distribution



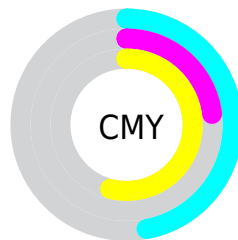
- Red (53%)
- Green (77%)
- Blue (46%)



- Red (46%)
- Yellow (77%)
- Blue (69%)



- Cyan (31%)
- Magenta (0%)
- Yellow (40%)
- Black (23%)



- Cyan (47%)
- Magenta (23%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1042, 45.9985, 23.9634 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 33.1042, 45.9985, 23.9634 by changing the saturation by 10% instead.

■ 33.1042, 45.9985,
23.9634

■ 33.1042, 45.9985,
23.9634

307.7757,
370.8026, 285.9160

■ 22.3659, 32.2446,
15.0945

■ 63.8918, 84.2168,
50.9136

■ 14.2441, 21.5484,
8.7384

■ 84.6717, 109.4499,
69.8319

■ 8.3735, 13.5255,
4.4765

■ 109.5297,
139.2783, 92.9372

■ 4.3887, 7.7914,
1.8902

138.8309,
174.0864, 120.6479

■ 1.9243, 3.9617,
0.4865

172.9407,
214.2584, 153.3826

■ 0.5909, 1.6522,
0.0000

212.2246,

■ 0.0000, 0.3924,

260.1789, 191.5598

0.0000

257.0478,
312.2322, 235.5981

■ 0.0000, 0.0000,
0.0000

■ 33.1042, 45.9985,
23.9634

■ 33.1042, 45.9985,
23.9634

■ 29.8185, 44.4255,
18.4111

■ 36.9694, 47.8451,
30.8042

■ 27.0798, 43.1071,
14.0637

■ 41.4375, 49.9716,
39.0042

■ 24.8577, 42.0308,
10.8324


■ 46.5346, 52.3914,
48.6323


■ 23.1171, 41.1807,
8.6152


■ 52.2845, 55.1154,
59.7521


■ 21.8179, 40.5390,
7.2910

■ 58.7095, 58.1539,
72.4233

 20.9194, 40.0893,
6.6354

 65.8310, 61.5164,
86.7023

 73.6692, 65.2125,
102.6427

 79.0309, 67.9618,
103.5603

Harmonies

Analogous

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



39.5194, 45.9985, 17.2260



33.1042, 45.9985, 23.9634



29.7679, 45.9985, 39.2562

Triad

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



33.1042, 45.9985, 23.9634



39.7548, 45.9985, 110.1997



61.3818, 45.9985, 38.6478

Complementary

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



33.1042, 45.9985, 23.9634



34.4586, 26.0565, 55.4403

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.



61.4662, 45.9985, 62.7408



33.1042, 45.9985, 23.9634



48.2086, 45.9985, 109.8739

Square

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



33.1042, 45.9985, 23.9634



33.2572, 45.9985, 91.2528



56.3930, 45.9985, 90.4694



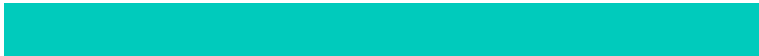
56.1754, 45.9985, 23.6426

Rectangle

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



33.1042, 45.9985, 23.9634



29.4223, 45.9985, 54.6552



56.3930, 45.9985, 90.4694



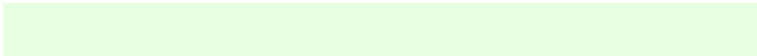
62.0304, 45.9985, 45.7761

Sweetspot

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



33.1054, 46.0005, 23.9644



82.4693, 94.0390, 84.6105



41.5522, 44.1710, 23.1661



17.3815, 20.0000, 17.5964



0.0000, 0.0000, 0.0000



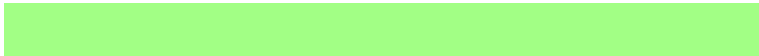
20.3446, 21.4041, 23.3091

Same Dimension

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



33.1054, 46.0005, 23.9644



54.8735, 80.8875, 34.7664



31.5749, 45.0629, 30.6078



10.1662, 11.3732, 10.7213



13.5067, 25.7918, 4.2664



0.6478, 1.1475, 0.1873

Inverse Universe

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



34.4586, 26.0565, 55.4403



57.6106, 39.9842, 99.2891



36.9892, 27.6040, 44.5846



10.2530, 10.1216, 12.6981



14.4306, 6.6997, 34.0892



0.6819, 0.3196, 1.4756

Previews

White Background



This preview shows how the XYZ color 33.1042, 45.9985, 23.9634 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 33.1042, 45.9985, 23.9634 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 33.1042, 45.9985, 23.9634

Background



This preview shows how black text looks on a background with the XYZ color 33.1042, 45.9985, 23.9634.



This preview shows how white text looks on a background with the XYZ color 33.1042, 45.9985,

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

33.1042, 45.9985, 23.9634

Protanopia

41.9555, 45.5260, 21.6150

Deuteranopia

46.2897, 45.3573, 24.7274



Tritanopia

40.6792, 45.8189, 61.9582

Trichromacy



Original Color

33.1042, 45.9985, 23.9634

Protanomaly

37.9951, 45.3087, 22.3657

Deuteranomaly

40.1637, 44.8429, 24.3080

Tritanomaly

37.3462, 45.7489, 44.8923

Monochromacy



Original Color

33.1042, 45.9985, 23.9634

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

35.5297, 41.6103, 35.0131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1042, 45.9985, 23.9634 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(136, 196, 117)` looks like.

```
.text, #text, p{  
    color:rgb(136, 196, 117)  
}
```

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(136, 196, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 196, 117) }
```

Border

The CSS property to change the border of an element to XYZ 33.1042, 45.9985, 23.9634 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(136, 196, 117) }
```


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

```
.border{ border-color:rgb(136, 196, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 196, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 196, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 196, 117);  
box-shadow:4px 4px 4px 4px rgb(136, 196,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1042, 45.9985, 23.9634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 196, 117) }
```

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

```
.background{ background-color: rgb(136,  
196, 117) }
```

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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