

Converting Colors

XYZ(33.0286, 46.3061, 31.8285)

Have a look what the booklet for
XYZ(33.0286, 46.3061, 31.8285)
contains.

XYZ(33.2399, 46.5667, 32.0473)	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(33.2399, 46.5667,
32.0473)**

Conversions

Conversions Part 1

Format	Color
Hex	7CC68C
RGB	124, 198, 140
RGB Percent	49%, 78%, 55%
CMY	0.5137, 0.2235, 0.4510
CMYK	0.37, 0.00, 0.29, 0.22
HSL	133°, 39%, 63%
HSV	133°, 37%, 78%
XYZ	33.2399, 46.5667, 32.0473
YIQ	169.2620, -25.4860, -33.7260

Conversions

Conversions Part 2

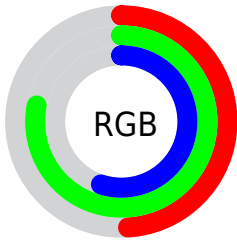
Format	Color
RYB	124, 185, 198
Decimal	8177292
CIELab	73.91, -35.28, 21.98
CIElCh	74, 41.568, 148.073
Yxy	46.5667, 0.2972, 0.4163
Android (android.graphics.Color)	4286367372 (0xFF7CC68C)
YUV	169.2620, -14.4262, -39.6948
Hunter-Lab	68.2398, -32.4715, 19.9236

Details

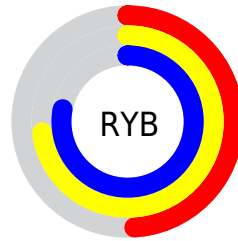
The XYZ color **33.2399, 46.5667, 32.0473** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.9414, 29.7995, 47.9572**, and the grayscale version is **37.9211, 39.8959, 43.4466**.

A 20% lighter version of the original color is **64.0880, 84.9987, 64.0675**, and **14.3750, 22.0074, 12.9414** is the 20% darker color. If you saturate the color by 10%, you get **29.5960, 44.8125, 26.3190**, and if you desaturate by 10%, it is **37.6222, 48.6855, 38.6547**.

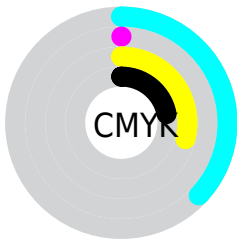
Distribution



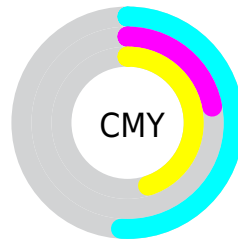
- Red (49%)
- Green (78%)
- Blue (55%)



- Red (49%)
- Yellow (73%)
- Blue (78%)



- Cyan (37%)
- Magenta (0%)
- Yellow (29%)
- Black (22%)



- Cyan (51%)
- Magenta (22%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2399, 46.5667, 32.0473 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 33.2399, 46.5667, 32.0473 by changing the saturation by 10% instead.

■ 33.2399, 46.5667,
32.0473

■ 33.2399, 46.5667,
32.0473

308.3753,
373.0823, 325.8340

■ 22.4704, 32.6932,
21.1325

■ 64.1021, 85.0665,
63.9840

■ 14.3215, 21.8916,
13.0287

■ 84.9254, 110.4616,
85.8430

■ 8.4278, 13.7772,
7.3174

■ 109.8308,
140.4661, 112.1871

■ 4.4240, 7.9659,
3.5799

139.1836,
175.4643, 143.4350

■ 1.9447, 4.0731,
1.3978

173.3490,
215.8406, 180.0050

■ 0.6026, 1.7146,
0.1400

212.6926,

■ 0.0000, 0.4331,

261.9794, 222.3159

0.0000

257.5795,
314.2652, 270.7860

■ 0.0000, 0.0000,
0.0000

■ 33.2399, 46.5667,
32.0473

■ 33.2399, 46.5667,
32.0473

■ 29.5960, 44.8125,
26.3190

■ 37.6222, 48.6855,
38.6547

■ 26.6454, 43.3966,
21.4297

■ 42.7774, 51.1820,
46.1728

■ 24.3441, 42.2984,
17.3407


■ 48.7419, 54.0757,
54.6356


■ 22.6408, 41.4923,
14.0092


■ 55.5489, 57.3830,
64.0743

■ 21.4765, 40.9489,
11.3880


■ 63.2298, 61.1194,
74.5189

 20.7709, 40.6278,
9.4246

 71.8142, 65.2996,
85.9977

 20.6276, 40.5630,
9.0097

 78.4772, 68.4668,
98.4048

 79.4850, 68.8699,
103.7117

Harmonies

Analogous

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



37.8908, 46.5667, 22.5577



33.2399, 46.5667, 32.0473



31.4978, 46.5667, 49.3438

Triad

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



33.2399, 46.5667, 32.0473



43.7830, 46.5667, 103.3680



58.0533, 46.5667, 33.8292

Complementary

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



33.2399, 46.5667, 32.0473



38.9414, 29.7995, 47.9572

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.



60.0743, 46.5667, 52.0873



33.2399, 46.5667, 32.0473



51.3063, 46.5667, 95.8784

Square

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



33.2399, 46.5667, 32.0473



37.1477, 46.5667, 93.7961



57.4813, 46.5667, 75.4767



52.2272, 46.5667, 23.3666

Rectangle

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



33.2399, 46.5667, 32.0473



32.0547, 46.5667, 64.4382



57.4813, 46.5667, 75.4767



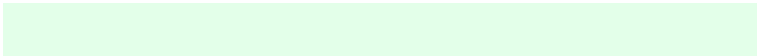
59.2269, 46.5667, 39.0734

Sweetspot

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



33.2411, 46.5686, 32.0483



82.1329, 93.7268, 90.8641



43.4100, 51.9375, 26.8062



17.2665, 19.9094, 19.0047



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.



33.2411, 46.5686, 32.0483



53.4145, 79.8360, 48.2210



36.3244, 47.8019, 48.2844



10.5898, 11.9248, 11.7900



13.4404, 26.3885, 5.9976



0.6641, 1.2606, 0.4300

Inverse Universe

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



38.9414, 29.7995, 47.9572



64.9642, 45.8131, 80.4211



35.7016, 28.5036, 30.8967



10.9811, 10.7758, 12.8839



19.0358, 9.3639, 21.1963



0.9265, 0.4534, 1.1361

Previews

White Background



This preview shows how the XYZ color 33.2399, 46.5667, 32.0473 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 33.2399, 46.5667, 32.0473 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 33.2399, 46.5667, 32.0473

Background



This preview shows how black text looks on a background with the XYZ color 33.2399, 46.5667, 32.0473.



This preview shows how white text looks on a background with the XYZ color 33.2399, 46.5667,

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

33.2399, 46.5667, 32.0473

Protanopia

42.9369, 46.1830, 28.4810

Deuteranopia

46.8252, 46.0181, 33.2025



Tritanopia

39.7494, 46.5531, 64.6482

Trichromacy



Original Color

33.2399, 46.5667, 32.0473

Protanomaly

38.5057, 45.7249, 29.7180

Deuteranomaly

40.4818, 45.4338, 32.6226

Tritanomaly

36.9262, 46.3817, 50.7224

Monochromacy



Original Color

33.2399, 46.5667, 32.0473

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

35.6297, 41.8834, 38.5542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2399, 46.5667, 32.0473 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(124, 198, 140)` looks like.

```
.text, #text, p{  
    color:rgb(124, 198, 140)  
}
```

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(124, 198, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 198, 140) }
```

Border

The CSS property to change the border of an element to XYZ 33.2399, 46.5667, 32.0473 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(124, 198, 140) }
```


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

```
.border{ border-color:rgb(124, 198, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 198, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 198, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 198, 140);  
box-shadow:4px 4px 4px 4px rgb(124, 198,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2399, 46.5667, 32.0473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 198, 140) }
```

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

```
.background{ background-color: rgb(124,  
198, 140) }
```

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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