

Converting Colors

XYZ(32.1899, 46.3296, 32.1536)

Have a look what the booklet for
XYZ(32.1899, 46.3296, 32.1536)
contains.

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Color

**XYZ(32.2273, 46.3851,
32.0656)**

Conversions

Conversions Part 1

Format	Color
Hex	73C78C
RGB	115, 199, 140
RGB Percent	45%, 78%, 55%
CMY	0.5490, 0.2196, 0.4510
CMYK	0.42, 0.00, 0.30, 0.22
HSL	138°, 43%, 62%
HSV	138°, 42%, 78%
XYZ	32.2273, 46.3851, 32.0656
YIQ	167.1580, -31.1250, -36.1570

Conversions

Conversions Part 2

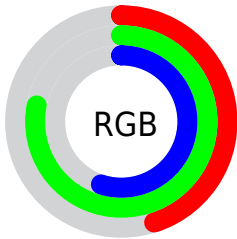
Format	Color
RYB	115, 180, 199
Decimal	7587724
CIELab	73.79, -38.39, 21.76
CIELCh	74, 44.125, 150.459
Yxy	46.3851, 0.2912, 0.4191
Android (android.graphics.Color)	4285777804 (0xFF73C78C)
YUV	167.1580, -13.3889, -45.7426
Hunter-Lab	68.1066, -34.7223, 19.7600

Details

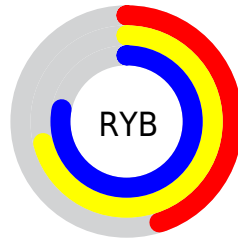
The XYZ color **32.2273, 46.3851, 32.0656** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **37.3255, 27.4606, 43.3794**, and the grayscale version is **36.8827, 38.8035, 42.2570**.

A 20% lighter version of the original color is **62.0752, 83.9611, 63.9733**, and **13.6399, 21.6284, 12.9070** is the 20% darker color. If you saturate the color by 10%, you get **28.9216, 44.7939, 26.8686**, and if you desaturate by 10%, it is **36.2313, 48.3238, 37.9808**.

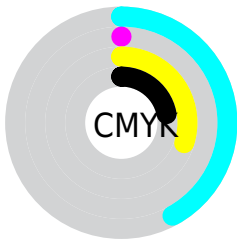
Distribution



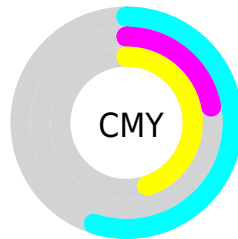
- Red (45%)
- Green (78%)
- Blue (55%)



- Red (45%)
- Yellow (71%)
- Blue (78%)



- Cyan (42%)
- Magenta (0%)
- Yellow (30%)
- Black (22%)



- Cyan (55%)
- Magenta (22%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2273, 46.3851, 32.0656 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 32.2273, 46.3851, 32.0656 by changing the saturation by 10% instead.

■ 32.2273, 46.3851,
32.0656

■ 32.2273, 46.3851,
32.0656

303.8803,
372.3547, 325.9199

■ 21.6916, 32.5498,
21.1464

■ 62.5300, 84.7950,
64.0130

■ 13.7458, 21.7818,
13.0388

■ 83.0278, 110.1385,
85.8783

■ 8.0246, 13.6967,
7.3242

■ 107.5769,
140.0868, 112.2293

■ 4.1626, 7.9100,
3.5842

136.5427,
175.0243, 143.4847

■ 1.7945, 4.0374,
1.4001

170.2906,
215.3355, 180.0629

■ 0.5144, 1.6945,
0.1418

209.1859,

■ 0.0000, 0.4201,

261.4047, 222.3824

0.0000

253.5940,
313.6163, 270.8619

■ 0.0000, 0.0000,
0.0000

■ 32.2273, 46.3851,
32.0656

■ 32.2273, 46.3851,
32.0656

■ 28.9216, 44.7939,
26.8686

■ 36.2313, 48.3238,
37.9808

■ 26.2689, 43.5234,
22.3591

■ 40.9679, 50.6232,
44.6370

■ 24.2242, 42.5524,
18.5090


■ 46.4737, 53.3029,
52.0599


■ 22.7349, 41.8544,
15.2866


■ 52.7815, 56.3794,
60.2731


■ 21.7386, 41.3980,
12.6580


■ 59.9223, 59.8683,
69.2989

 21.2196, 41.1667,
10.9961

 67.9255, 63.7841,
79.1590

 76.8189, 68.1409,
89.8742

 79.2071, 69.1257,
101.1172

 79.7143, 69.3285,
103.7881

Harmonies

Analogous

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



36.8772, 46.3851, 21.6774



32.2273, 46.3851, 32.0656



30.6631, 46.3851, 50.8523

Triad

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



32.2273, 46.3851, 32.0656



44.2086, 46.3851, 107.1647



58.4045, 46.3851, 31.6250

Complementary

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



32.2273, 46.3851, 32.0656



37.3255, 27.4606, 43.3794

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.



60.9501, 46.3851, 50.1603



32.2273, 46.3851, 32.0656



52.1816, 46.3851, 97.6240

Square

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



32.2273, 46.3851, 32.0656



37.0632, 46.3851, 98.1619



58.5503, 46.3851, 74.9294



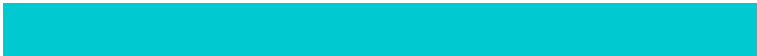
51.9478, 46.3851, 21.4812

Rectangle

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



32.2273, 46.3851, 32.0656



31.4154, 46.3851, 67.1537



58.5503, 46.3851, 74.9294



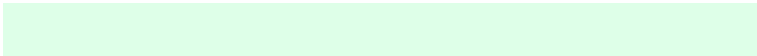
59.7779, 46.3851, 36.8648

Sweetspot

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



32.2285, 46.3870, 32.0666



80.3634, 92.8360, 89.8160



41.2437, 51.2239, 23.9336



16.7198, 19.6363, 18.5824



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.



32.2285, 46.3870, 32.0666



50.8798, 78.5441, 47.4375



35.8151, 47.8216, 50.9532



10.6252, 11.9390, 11.9765



13.6781, 26.4836, 7.2494



0.6801, 1.2670, 0.5140

Inverse Universe

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



37.3255, 27.4606, 43.3794



61.0002, 40.8877, 69.8432



33.9327, 26.1036, 25.5137



10.9434, 10.7608, 12.6853



18.2185, 9.0370, 16.8922



0.8934, 0.4402, 0.9618

Previews

White Background



This preview shows how the XYZ color 32.2273, 46.3851, 32.0656 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 32.2273, 46.3851, 32.0656 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 32.2273, 46.3851, 32.0656

Background



This preview shows how black text looks on a background with the XYZ color 32.2273, 46.3851, 32.0656.

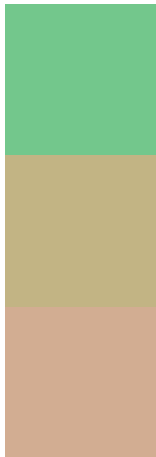


This preview shows how white text looks on a background with the XYZ color 32.2273, 46.3851,

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

32.2273, 46.3851, 32.0656

Protanopia

42.7343, 45.7778, 28.4135

Deuteranopia

46.7102, 45.6641, 33.5463



Tritanopia

38.9773, 46.4637, 65.3066

Trichromacy



Original Color

32.2273, 46.3851, 32.0656



Protanomaly

37.6605, 45.2893, 29.6784



Deuteranomaly

39.4412, 44.5835, 32.9123



Tritanomaly

36.1927, 46.3209, 51.2892

Monochromacy



Original Color

32.2273, 46.3851, 32.0656



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.4186, 40.9704, 37.9923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2273, 46.3851, 32.0656 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(115, 199, 140)` looks like.

```
.text, #text, p{  
    color:rgb(115, 199, 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(115, 199, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 199, 140) }
```

Border

The CSS property to change the border of an element to XYZ 32.2273, 46.3851, 32.0656 is called "border". The border property can be set on classes, ids or directly on the HTML element.

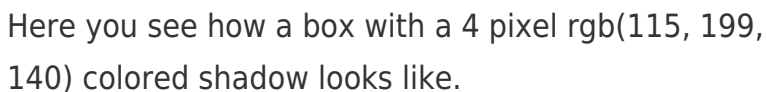
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 199, 140) }
```


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

```
.border{ border-color:rgb(115, 199, 140) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 199, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 199, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 199, 140); box-shadow:4px 4px 4px 4px rgb(115, 199, 140) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2273, 46.3851, 32.0656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 199, 140) }
```

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

```
.background{ background-color: rgb(115,  
199, 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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