

Converting Colors

XYZ(32.6602, 46.9260, 48.9312)

Have a look what the booklet for
XYZ(32.6602, 46.9260, 48.9312)
contains.

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Color

**XYZ(32.6602, 46.9260,
48.9312)**

Conversions

Conversions Part 1

Format	Color
Hex	56C9B1
RGB	86, 201, 177
RGB Percent	34%, 79%, 69%
CMY	0.6627, 0.2118, 0.3059
CMYK	0.57, 0.00, 0.12, 0.21
HSL	167°, 52%, 56%
HSV	167°, 57%, 79%
XYZ	32.6602, 46.9260, 48.9312
YIQ	163.8790, -60.8360, -31.8440

Conversions

Conversions Part 2

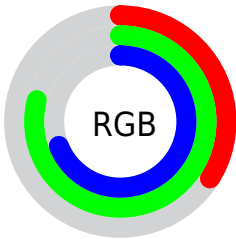
Format	Color
RYB	86, 150, 201
Decimal	5687729
CIELab	74.14, -38.33, 2.23
CIELCh	74, 38.398, 176.678
Yxy	46.9260, 0.2541, 0.3651
Android (android.graphics.Color)	4283877809 (0xFF56C9B1)
YUV	163.8790, 6.4687, -68.2999
Hunter-Lab	68.5026, -34.7754, 5.6011

Details

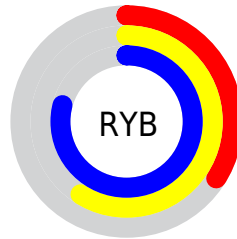
The XYZ color **32.6602, 46.9260, 48.9312** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **30.2312, 20.2002, 17.0593**, and the grayscale version is **35.2212, 37.0555, 40.3534**.

A 20% lighter version of the original color is **62.1450, 83.4229, 89.9176**, and **13.9806, 22.0384, 22.9190** is the 20% darker color. If you saturate the color by 10%, you get **30.6518, 45.9394, 46.6886**, and if you desaturate by 10%, it is **35.2044, 48.1897, 51.2680**.

Distribution



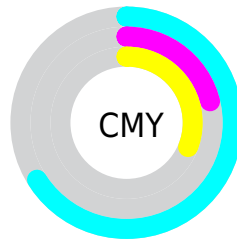
- Red (34%)
- Green (79%)
- Blue (69%)



- Red (34%)
- Yellow (59%)
- Blue (79%)



- Cyan (57%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)



- Cyan (66%)
- Magenta (21%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6602, 46.9260, 48.9312 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 32.6602, 46.9260, 48.9312 by changing the saturation by 10% instead.

■ 32.6602, 46.9260,
48.9312

■ 32.6602, 46.9260,
48.9312

305.8079,
374.5191, 399.0861

■ 22.0243, 32.9772,
34.1997

■ 63.2029, 85.6032,
89.9692

■ 13.9914, 22.1089,
22.7684

■ 83.8403, 111.1003,
117.1128

■ 8.1964, 13.9370,
14.2189

■ 108.5423,
141.2156, 149.2307

■ 4.2737, 8.0768,
8.1326

■ 137.6742,
176.3335, 186.7417

■ 1.8581, 4.1442,
4.0909

171.6014,
216.8384, 230.0642

■ 0.5523, 1.7545,
1.6754

210.6891,

■ 0.0000, 0.4586,

263.1147, 279.6167

0.3438

255.3029,
315.5468, 335.8178

■ 0.0000, 0.0000,
0.0000

■ 32.6602, 46.9260,
48.9312

■ 32.6602, 46.9260,
48.9312

■ 30.6518, 45.9394,
46.6886

■ 35.2044, 48.1897,
51.2680

■ 29.1303, 45.2011,
44.5343

■ 38.3203, 49.7454,
53.6983

■ 28.0443, 44.6859,
42.4664

■ 42.0450, 51.6135,
56.2253

■ 27.3220, 44.3568,
40.4807

■ 46.4117, 53.8110,
58.8513

■ 27.1499, 44.2798,
39.9401

■ 51.4507, 56.3536,
61.5781

■ 57.1908, 59.2560,
64.4077

■ 63.6589, 62.5322,
67.3419

■ 70.8803, 66.1952,
70.3824

■ 74.3621, 67.9287,
73.3195

Harmonies

Analogous

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



34.4397, 46.9260, 32.9862



32.6602, 46.9260, 48.9312



33.7988, 46.9260, 70.0533

Triad

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



32.6602, 46.9260, 48.9312



50.8060, 46.9260, 92.9537



52.2674, 46.9260, 25.5331

Complementary

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



32.6602, 46.9260, 48.9312



30.2312, 20.2002, 17.0593

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.



57.4915, 46.9260, 35.9077



32.6602, 46.9260, 48.9312



56.5887, 46.9260, 74.8498

Square

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



32.6602, 46.9260, 48.9312



43.8399, 46.9260, 98.9932



59.1481, 46.9260, 53.3205



45.3724, 46.9260, 21.8457

Rectangle

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



32.6602, 46.9260, 48.9312



36.1305, 46.9260, 83.8945



59.1481, 46.9260, 53.3205



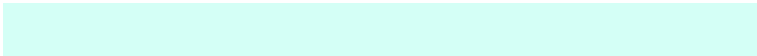
54.3033, 46.9260, 28.1985

Sweetspot

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



32.6615, 46.9278, 48.9323



79.4378, 92.1160, 100.7437



29.1129, 45.8211, 16.1150



16.6575, 19.5426, 21.3643



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.



32.6615, 46.9278, 48.9323



51.6798, 78.2609, 78.9019



28.4615, 34.3565, 60.3917



10.8482, 12.0282, 13.1509



17.1044, 27.8541, 25.2919



0.8344, 1.3287, 1.3268

Inverse Universe

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



30.2312, 20.2002, 17.0593



47.1788, 28.1149, 19.3940



32.3160, 26.1856, 12.1561



10.7229, 10.6726, 11.5242



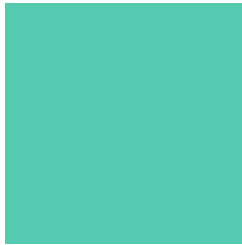
15.4349, 7.9235, 2.2339



0.7579, 0.3860, 0.2485

Previews

White Background



This preview shows how the XYZ color 32.6602, 46.9260, 48.9312 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 32.6602, 46.9260, 48.9312 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

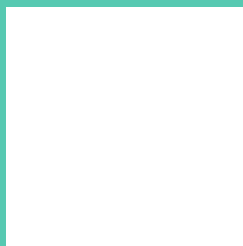
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6602, 46.9260, 48.9312

Background



This preview shows how black text looks on a background with the XYZ color 32.6602, 46.9260, 48.9312.



This preview shows how white text looks on a background with the XYZ color 32.6602, 46.9260,

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

32.6602, 46.9260, 48.9312

Protanopia

43.9432, 46.0871, 42.6560

Deuteranopia

47.1659, 46.0846, 51.2091



Tritanopia

36.7692, 46.8860, 69.3993

Trichromacy



Original Color

32.6602, 46.9260, 48.9312



Protanomaly

38.0014, 45.4480, 44.7997



Deuteranomaly

39.3856, 44.7853, 50.2846



Tritanomaly

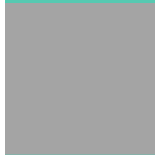
35.1190, 46.8914, 61.2328

Monochromacy



Original Color

32.6602, 46.9260, 48.9312



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.0369, 39.5431, 43.4275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6602, 46.9260, 48.9312 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(86, 201, 177)` looks like.

```
.text, #text, p{  
    color:rgb(86, 201, 177)  
}
```

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(86, 201, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 201, 177) }
```

Border

The CSS property to change the border of an element to XYZ 32.6602, 46.9260, 48.9312 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(86, 201, 177) }
```


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

```
.border{ border-color:rgb(86, 201, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 201, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 201, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 201, 177);  
box-shadow:4px 4px 4px 4px rgb(86, 201,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6602, 46.9260, 48.9312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 201, 177) }
```

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

```
.background{ background-color: rgb(86, 201,  
177) }
```

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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