

Converting Colors

XYZ(33.1353, 47.7698, 46.1716)

Have a look what the booklet for
XYZ(33.1353, 47.7698, 46.1716)
contains.

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Color

**XYZ(33.2208, 47.9793,
46.0381)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 5DCBAB |
| RGB | 93, 203, 171 |
| RGB Percent | 36%, 80%, 67% |
| CMY | 0.6353, 0.2039, 0.3294 |
| CMYK | 0.54, 0.00, 0.16, 0.20 |
| HSL | 163°, 51%, 58% |
| HSV | 163°, 54%, 80% |
| XYZ | 33.2208, 47.9793, 46.0381 |
| YIQ | 166.4620, -55.2880, -33.2720 |

Conversions

Conversions Part 2

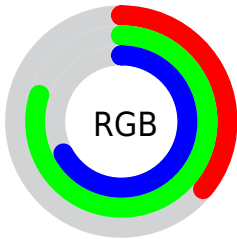
| Format | Color |
|-------------------------------------|--|
| RYB | 93, 157, 203 |
| Decimal | 6146987 |
| CIELab | 74.81, -39.23, 6.46 |
| CIElCh | 75, 39.755, 170.648 |
| Yxy | 47.9793, 0.2611, 0.3771 |
| Android (android.graphics.Color) | 4284337067 (0xFF5DCBAB) |
| YUV | 166.4620, 2.2372, -64.4262 |
| Hunter-Lab | 69.2671, -35.6080, 9.0801 |

Details

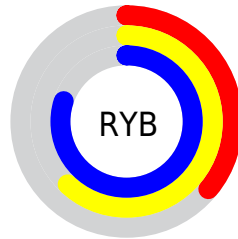
The XYZ color **33.2208, 47.9793, 46.0381** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **32.2462, 22.0071, 21.9520**, and the grayscale version is **36.4790, 38.3787, 41.7944**.

A 20% lighter version of the original color is **62.2500, 83.5903, 84.8051**, and **14.2964, 22.7059, 21.0819** is the 20% darker color. If you saturate the color by 10%, you get **30.8822, 46.8385, 43.0561**, and if you desaturate by 10%, it is **36.1325, 49.4151, 49.1803**.

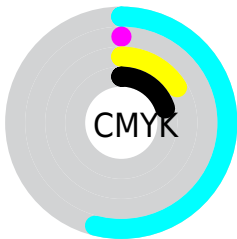
Distribution



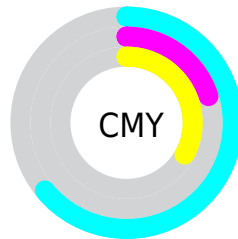
- Red (36%)
- Green (80%)
- Blue (67%)



- Red (36%)
- Yellow (62%)
- Blue (80%)



- Cyan (54%)
- Magenta (0%)
- Yellow (16%)
- Black (20%)





- Cyan (64%)
- Magenta (20%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2208, 47.9793, 46.0381 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 33.2208, 47.9793, 46.0381 by changing the saturation by 10% instead.


 33.2208, 47.9793,
46.0381


 33.2208, 47.9793,
46.0381


308.2909,
378.7101, 387.2438


 22.4557, 33.8105,
31.9270


 64.0725, 87.1736,
85.6109


 14.3106, 22.7481,
21.0414


 84.8897, 112.9679,
111.9097

 8.4201, 14.4076,
12.9627


 109.7885,
143.4061, 143.1081

 4.4190, 8.4047,
7.2725

 139.1339,
178.8726, 179.6247

 1.9418, 4.3550,
3.5521

173.2916,
219.7519, 221.8781

 0.6010, 1.8740,
1.3830

212.6267,

 0.0000, 0.5327,

266.4283, 270.2867

0.1284

257.5047,
319.2862, 325.2691

■ 0.0000, 0.0000,
0.0000

■ 33.2208, 47.9793,
46.0381

■ 33.2208, 47.9793,
46.0381

■ 30.8822, 46.8385,
43.0561

■ 36.1325, 49.4151,
49.1803

■ 29.0683, 45.9641,
40.2273

■ 39.6531, 51.1605,
52.4830

■ 27.7289, 45.3316,
37.5485

■ 43.8198, 53.2361,
55.9506

■ 26.8018, 44.9088,
35.0152

■ 48.6659, 55.6589,
59.5861

■ 26.3866, 44.7255,
33.6056

■ 54.2223, 58.4448,
63.3927

■ 60.5177, 61.6087,
67.3733

■ 67.5796, 65.1645,
71.5305

■ 75.2842, 69.0485,
75.8602

■ 76.0723, 69.3638,
80.0101

Harmonies

Analogous

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



35.6802, 47.9793, 30.8533



33.2208, 47.9793, 46.0381



33.7972, 47.9793, 67.5676

Triad

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



33.2208, 47.9793, 46.0381



50.6802, 47.9793, 99.0271



54.9929, 47.9793, 27.1163

Complementary

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



33.2208, 47.9793, 46.0381



32.2462, 22.0071, 21.9520

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.



59.8800, 47.9793, 39.4278



33.2208, 47.9793, 46.0381



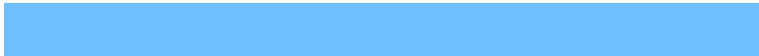
57.2132, 47.9793, 81.7541

Square

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



33.2208, 47.9793, 46.0381



43.3821, 47.9793, 102.1648



60.7329, 47.9793, 58.9781



47.8982, 47.9793, 21.9922

Rectangle

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



33.2208, 47.9793, 46.0381



35.8521, 47.9793, 82.6873



60.7329, 47.9793, 58.9781



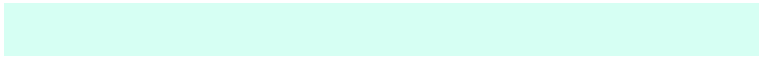
56.9785, 47.9793, 30.3703

Sweetspot

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



33.2221, 47.9812, 46.0392



79.7473, 92.3252, 98.5146



31.9374, 47.9398, 17.9267



16.6969, 19.5752, 20.8119



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.



33.2221, 47.9812, 46.0392



51.1394, 78.1504, 71.2792



31.8190, 39.6884, 62.4857



11.3987, 12.6692, 13.6572



16.8329, 28.4785, 21.6029



0.9004, 1.4820, 1.2829

Inverse Universe

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



32.2462, 22.0071, 21.9520



49.3824, 30.2661, 27.0836



32.7366, 25.7496, 13.6014



11.3443, 11.2665, 12.3479



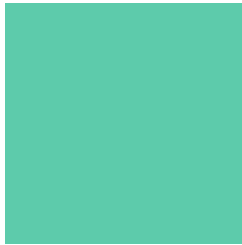
16.2116, 8.2952, 3.5670



0.8697, 0.4413, 0.3598

Previews

White Background



This preview shows how the XYZ color 33.2208, 47.9793, 46.0381 looks on a white background.

Color Contrast Check

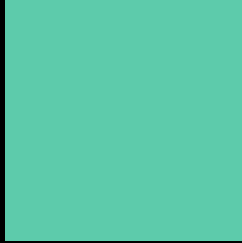
Large Text (above 18pt) WCAG AA × Fail

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 33.2208, 47.9793, 46.0381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

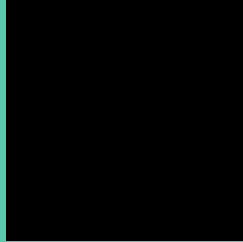
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2208, 47.9793, 46.0381

Background



This preview shows how black text looks on a background with the XYZ color 33.2208, 47.9793, 46.0381.

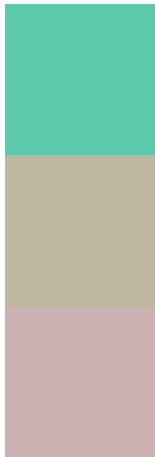


This preview shows how white text looks on a background with the XYZ color 33.2208, 47.9793,

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

33.2208, 47.9793, 46.0381

Protanopia

44.5590, 47.0703, 39.9947

Deuteranopia

48.2866, 47.3151, 48.1827



Tritanopia

38.0399, 47.8624, 70.1842

Trichromacy



Original Color

33.2208, 47.9793, 46.0381



Protanomaly

38.6319, 46.4758, 42.0566



Deuteranomaly

40.4010, 45.9995, 47.3069



Tritanomaly

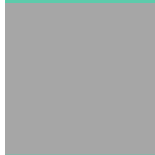
36.0960, 47.7488, 60.7401

Monochromacy



Original Color

33.2208, 47.9793, 46.0381



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.8354, 40.5563, 43.0906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2208, 47.9793, 46.0381 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(93, 203, 171)` looks like.

```
.text, #text, p{  
    color:rgb(93, 203, 171)  
}
```

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(93, 203, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 203, 171) }
```

Border

The CSS property to change the border of an element to XYZ 33.2208, 47.9793, 46.0381 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(93, 203, 171) }
```


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

```
.border{ border-color:rgb(93, 203, 171) }
```

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

Here you see how a box with a 4 pixel rgb(93, 203, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 203, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 203, 171);  
box-shadow:4px 4px 4px 4px rgb(93, 203,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2208, 47.9793, 46.0381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 203, 171) }
```

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

```
.background{ background-color: rgb(93, 203,  
171) }
```

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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