

Converting Colors

XYZ(32.1749, 41.6057, 48.6972)

Have a look what the booklet for
XYZ(32.1749, 41.6057, 48.6972)
contains.

XYZ(32.1503, 41.7117, 48.4761)	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(32.1503, 41.7117,
48.4761)**

Conversions

Conversions Part 1

Format	Color
Hex	6FBAB2
RGB	111, 186, 178
RGB Percent	44%, 73%, 70%
CMY	0.5647, 0.2706, 0.3020
CMYK	0.40, 0.00, 0.04, 0.27
HSL	174°, 35%, 58%
HSV	174°, 40%, 73%
XYZ	32.1503, 41.7117, 48.4761
YIQ	162.6630, -42.1320, -18.3880

Conversions

Conversions Part 2

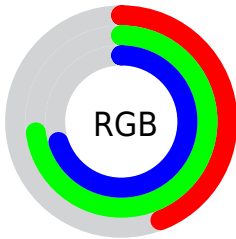
Format	Color
RYB	111, 151, 186
Decimal	7322290
CIELab	70.67, -25.21, -3.28
CIElCh	71, 25.419, 187.420
Yxy	41.7117, 0.2628, 0.3410
Android (android.graphics.Color)	4285512370 (0xFF6FBAB2)
YUV	162.6630, 7.5611, -45.3085
Hunter-Lab	64.5846, -24.1655, 0.7072

Details

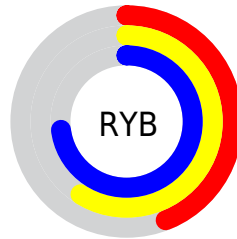
The XYZ color **32.1503, 41.7117, 48.4761** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.2653, 23.1410, 20.3785**, and the grayscale version is **34.6346, 36.4383, 39.6813**.

A 20% lighter version of the original color is **62.3293, 77.5518, 89.5258**, and **13.7201, 19.0965, 22.3649** is the 20% darker color. If you saturate the color by 10%, you get **29.8517, 40.5506, 47.3367**, and if you desaturate by 10%, it is **34.9415, 43.1285, 49.6555**.

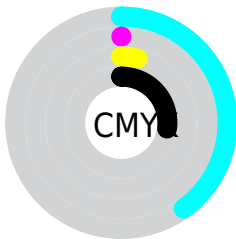
Distribution



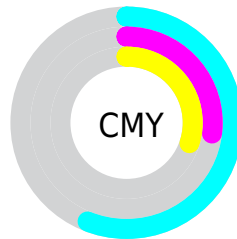
- Red (44%)
- Green (73%)
- Blue (70%)



- Red (44%)
- Yellow (59%)
- Blue (73%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (27%)



- Cyan (56%)
- Magenta (27%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1503, 41.7117, 48.4761 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 32.1503, 41.7117, 48.4761 by changing the saturation by 10% instead.

■ 32.1503, 41.7117,
48.4761

■ 32.1503, 41.7117,
48.4761

303.5365,
353.2864, 397.2392

■ 21.6324, 28.8756,
33.8414

■ 62.4102, 77.7631,
89.2858

■ 13.7022, 18.9867,
22.4954

■ 82.8830, 101.7472,
116.2978

■ 7.9941, 11.6607,
14.0196

■ 107.4048,
130.2161, 148.2727

■ 4.1430, 6.5131,
7.9954

136.3410,
163.5542, 185.6290

■ 1.7833, 3.1595,
4.0043

170.0569,
202.1459, 228.7853

■ 0.5076, 1.2156,
1.6277

208.9179,

■ 0.0000, 0.0744,

246.3756, 278.1601

0.3105

253.2893,
296.6276, 334.1718

■ 0.0000, 0.0000,
0.0000

■ 32.1503, 41.7117,
48.4761

■ 32.1503, 41.7117,
48.4761

■ 29.8517, 40.5506,
47.3367

■ 34.9415, 43.1285,
49.6555

■ 28.0116, 39.6245,
46.2328

■ 38.2496, 44.8103,
50.8732

■ 26.5972, 38.9176,
45.1637


■ 42.1015, 46.7722,
52.1316


■ 25.5700, 38.4099,
44.1276


■ 46.5213, 49.0265,
53.4318


■ 24.8843, 38.0780,
43.1224


■ 51.5316, 51.5848,
54.7749

 24.4571, 37.8783,
42.1746

 57.1537, 54.4582,
56.1620

 63.4079, 57.6572,
57.5941

 68.5235, 60.2688,
58.9885

 68.7478, 60.3585,
60.1694

Harmonies

Analogous

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



32.6332, 41.7117, 37.0865



32.1503, 41.7117, 48.4761



33.5597, 41.7117, 61.0057

Triad

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



32.1503, 41.7117, 48.4761



44.7692, 41.7117, 66.4221



42.8349, 41.7117, 27.2025

Complementary

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



32.1503, 41.7117, 48.4761



29.2653, 23.1410, 20.3785

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.



46.4263, 41.7117, 32.7395



32.1503, 41.7117, 48.4761



47.5971, 41.7117, 54.9099

Square

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



32.1503, 41.7117, 48.4761



40.7000, 41.7117, 72.4934



48.2240, 41.7117, 42.4893



38.6098, 41.7117, 26.0934

Rectangle

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



32.1503, 41.7117, 48.4761



35.4458, 41.7117, 67.8789



48.2240, 41.7117, 42.4893



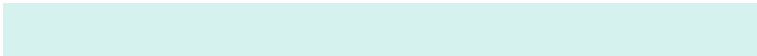
44.1649, 41.7117, 28.5533

Sweetspot

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



32.1515, 41.7134, 48.4771



74.9213, 84.0670, 94.0541



28.1405, 40.2424, 21.3241



16.2905, 18.4068, 20.6460



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



32.1515, 41.7134, 48.4771



54.6873, 73.7909, 86.1085



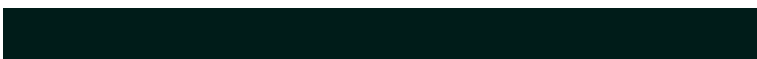
27.5190, 31.1247, 51.0136



9.2243, 10.1937, 11.3384



16.4699, 25.4889, 28.4601



0.5925, 0.9033, 1.0661

Inverse Universe

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



29.2653, 23.1410, 20.3785



48.7756, 35.6815, 28.5044



32.4619, 30.2713, 19.1717



9.0425, 9.0274, 9.5714



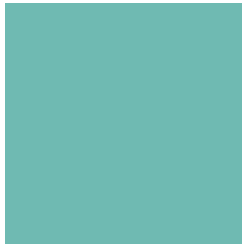
13.7214, 7.0623, 1.1539



0.4967, 0.2541, 0.1088

Previews

White Background



This preview shows how the XYZ color 32.1503, 41.7117, 48.4761 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 32.1503, 41.7117, 48.4761 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 32.1503, 41.7117, 48.4761

Background



This preview shows how black text looks on a background with the XYZ color 32.1503, 41.7117, 48.4761.

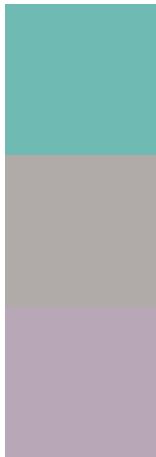


This preview shows how white text looks on a background with the XYZ color 32.1503, 41.7117,

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

32.1503, 41.7117, 48.4761

Protanopia

39.6288, 41.2205, 43.4038

Deuteranopia

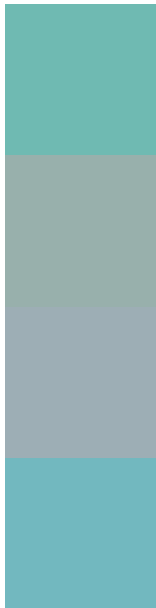
42.0294, 41.2052, 49.9942



Tritanopia

34.3290, 41.6572, 59.6574

Trichromacy



Original Color

32.1503, 41.7117, 48.4761

Protanomaly

35.9206, 40.7046, 44.9933

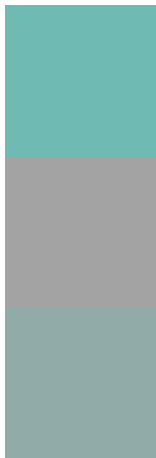
Deuteranomaly

37.3812, 40.7764, 49.6165

Tritanomaly

33.4839, 41.6200, 55.5589

Monochromacy



Original Color

32.1503, 41.7117, 48.4761

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.1324, 37.8823, 42.6115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1503, 41.7117, 48.4761 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(111, 186, 178)` looks like.

```
.text, #text, p{  
    color:rgb(111, 186, 178)  
}
```

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(111, 186, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 186, 178) }
```

Border

The CSS property to change the border of an element to XYZ 32.1503, 41.7117, 48.4761 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(111, 186, 178) }
```


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

```
.border{ border-color:rgb(111, 186, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 186, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 186, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 186, 178);  
box-shadow:4px 4px 4px 4px rgb(111, 186,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1503, 41.7117, 48.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 186, 178) }
```

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

```
.background{ background-color: rgb(111,  
186, 178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor