

Converting Colors

XYZ(41.7784, 49.2571, 46.0146)

Have a look what the booklet for
XYZ(41.7784, 49.2571, 46.0146)
contains.

XYZ(41.7467, 49.3104, 45.8456)	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(41.7467, 49.3104,
45.8456)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C2AB
RGB	163, 194, 171
RGB Percent	64%, 76%, 67%
CMY	0.3608, 0.2392, 0.3294
CMYK	0.16, 0.00, 0.12, 0.24
HSL	135°, 20%, 70%
HSV	135°, 16%, 76%
XYZ	41.7467, 49.3104, 45.8456
YIQ	182.1090, -11.0930, -13.7250

Conversions

Conversions Part 2

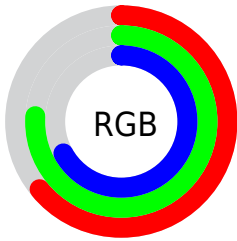
Format	Color
R _{YB}	163, 188, 194
Decimal	10732203
CIE Lab	75.64, -14.95, 8.10
CIE LCh	76, 17.002, 151.532
Yxy	49.3104, 0.3049, 0.3602
Android (android.graphics.Color)	4288922283 (0xFFA3C2AB)
YUV	182.1090, -5.4767, -16.7586
Hunter-Lab	70.2214, -16.7689, 10.4461

Details

The XYZ color **41.7467, 49.3104, 45.8456** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.2100, 41.2100, 52.0808**, and the grayscale version is **44.5571, 46.8776, 51.0497**.

A 20% lighter version of the original color is **77.1381, 89.3908, 85.1400**, and **19.2634, 23.4676, 20.9672** is the 20% darker color. If you saturate the color by 10%, you get **36.7770, 46.8998, 38.8370**, and if you desaturate by 10%, it is **47.4779, 52.0991, 53.6720**.

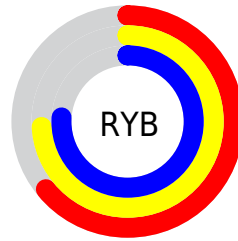
Distribution



Red (64%)

Green (76%)

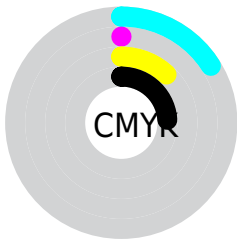
Blue (67%)



Red (64%)

Yellow (74%)

Blue (76%)

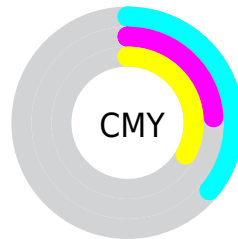


Cyan (16%)

Magenta (0%)

Yellow (12%)

Black (24%)



Cyan (36%)


Magenta (24%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7467, 49.3104, 45.8456 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 41.7467, 49.3104, 45.8456 by changing the saturation by 10% instead.


 41.7467, 49.3104,
45.8456

 41.7467, 49.3104,
45.8456


344.4414,
383.9630, 386.4471

 29.0932, 34.8658,
31.7762

 77.0837, 89.1523,
85.3197

 19.2960, 23.5595,
20.9272


 100.4979,
115.3183, 111.5615

 11.9896, 15.0072,
12.8801


128.2298,
146.1603, 142.6979

 6.8088, 8.8244,
7.2163

160.6447,
182.0626, 179.1474

 3.3881, 4.6268,
3.5172

198.1080,
223.4097, 221.3285

 1.3621, 2.0300,
1.3644

240.9849,

 0.2290, 0.6248,

270.5858, 269.6598

0.1137

289.6409,
323.9755, 324.5598

■ 0.0000, 0.0000,
0.0000

■ 41.7467, 49.3104,
45.8456

■ 41.7467, 49.3104,
45.8456

■ 36.7770, 46.8998,
38.8370

■ 47.4779, 52.0991,
53.6720

■ 32.5324, 44.8449,
32.6164

■ 53.9971, 55.2748,
62.3380

■ 28.9793, 43.1304,
27.1572

■ 61.3343, 58.8539,
71.8689

■ 26.0800, 41.7374,
22.4300

■ 69.5170, 62.8501,
82.2876

■ 23.7930, 40.6452,
18.4033

■ 76.7062, 66.3149,
93.5293

■ 22.0719, 39.8305,
15.0435

■ 78.5828, 67.0655,
103.4109

■ 20.8632, 39.2665,
12.3141

■ 20.1005, 38.9199,
10.1748

■ 19.8698, 38.8163,
9.4697

Harmonies

Analogous

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



43.7738, 49.3104, 40.2312



41.7467, 49.3104, 45.8456



41.0749, 49.3104, 54.1555

Triad

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



41.7467, 49.3104, 45.8456



47.0301, 49.3104, 72.9470



52.2179, 49.3104, 45.1268

Complementary

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



41.7467, 49.3104, 45.8456



44.2100, 41.2100, 52.0808

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.



53.1818, 49.3104, 53.2285



41.7467, 49.3104, 45.8456



50.1048, 49.3104, 69.8599

Square

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



41.7467, 49.3104, 45.8456



44.0421, 49.3104, 70.4138



52.3920, 49.3104, 62.3832



49.8123, 49.3104, 39.8501

Rectangle

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



41.7467, 49.3104, 45.8456



41.4609, 49.3104, 60.3065



52.3920, 49.3104, 62.3832



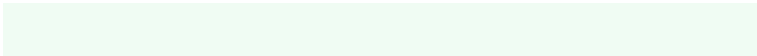
52.7260, 49.3104, 47.5772

Sweetspot

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



41.7481, 49.3125, 45.8467



87.0190, 94.8751, 98.5874



46.2151, 51.7008, 42.1943



18.8810, 20.6914, 21.3539



0.0000, 0.0000, 0.0000



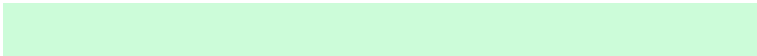
20.3446, 21.4041, 23.3091

Same Dimension

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



41.7481, 49.3125, 45.8467



72.4932, 87.8123, 78.6802



43.2871, 49.9281, 53.9514



10.0487, 11.3005, 11.2600



13.0920, 25.5309, 6.3777



0.5949, 1.1148, 0.4295

Inverse Universe

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



44.2100, 41.2100, 52.0808



77.7552, 70.4916, 92.0027



42.6737, 40.5955, 43.9908



10.3827, 10.2017, 12.1058



17.9690, 8.8773, 18.2805



0.8031, 0.3943, 0.9308

Previews

White Background



This preview shows how the XYZ color 41.7467, 49.3104, 45.8456 looks on a white background.

Color Contrast Check

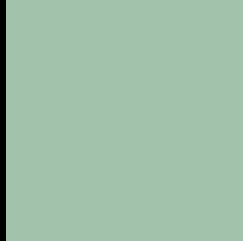
Large Text (above 18pt) WCAG AA × Fail

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 41.7467, 49.3104, 45.8456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

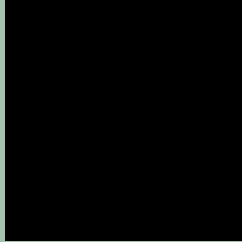
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7467, 49.3104, 45.8456

Background



This preview shows how black text looks on a background with the XYZ color 41.7467, 49.3104, 45.8456.



This preview shows how white text looks on a background with the XYZ color 41.7467, 49.3104,

45.8456.

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

41.7467, 49.3104, 45.8456

Protanopia

46.4800, 48.9204, 43.0692

Deuteranopia

49.9737, 49.1084, 46.8894



Tritanopia

45.4589, 49.1898, 64.2254

Trichromacy



Original Color

41.7467, 49.3104, 45.8456

Protanomaly

44.5795, 48.8609, 44.1273

Deuteranomaly

46.6300, 48.9215, 46.5203

Tritanomaly

44.0816, 49.2829, 57.0584

Monochromacy



Original Color

41.7467, 49.3104, 45.8456

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.2740, 47.4461, 48.9967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7467, 49.3104, 45.8456 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(163, 194, 171)` looks like.

```
.text, #text, p{  
    color:rgb(163, 194, 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(163, 194, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 194, 171) }
```

Border

The CSS property to change the border of an element to XYZ 41.7467, 49.3104, 45.8456 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(163, 194, 171) }
```


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

```
.border{ border-color:rgb(163, 194, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 194, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 194, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 194, 171);  
box-shadow:4px 4px 4px 4px rgb(163, 194,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7467, 49.3104, 45.8456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 194, 171) }
```

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

```
.background{ background-color: rgb(163,  
194, 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](#).

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