

Converting Colors

XYZ(47.3836, 65.4080, 45.0314)

Have a look what the booklet for
XYZ(47.3836, 65.4080, 45.0314)
contains.

XYZ(47.2978, 65.2030, 45.2145)	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(47.2978, 65.2030,
45.2145)**

Conversions

Conversions Part 1

Format	Color
Hex	96E5A4
RGB	150, 229, 164
RGB Percent	59%, 90%, 64%
CMY	0.4118, 0.1019, 0.3569
CMYK	0.34, 0.00, 0.28, 0.10
HSL	131°, 60%, 74%
HSV	131°, 34%, 90%
XYZ	47.2978, 65.2030, 45.2145
YIQ	197.9690, -26.2190, -36.9630

Conversions

Conversions Part 2

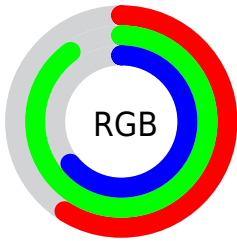
Format	Color
RYB	150, 217, 229
Decimal	9889188
CIELab	84.59, -37.35, 24.22
CIELCh	85, 44.513, 147.041
Yxy	65.2030, 0.2999, 0.4134
Android (android.graphics.Color)	4288079268 (0xFF96E5A4)
YUV	197.9690, -16.7467, -42.0688
Hunter-Lab	80.7484, -36.7545, 23.3248

Details

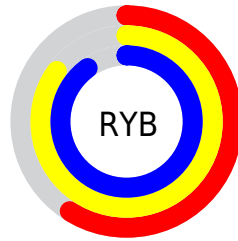
The XYZ color **47.2978, 65.2030, 45.2145** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.4873, 43.3783, 69.7408**, and the grayscale version is **53.7690, 56.5692, 61.6038**.

A 20% lighter version of the original color is **73.9998, 89.7563, 80.4423**, and **22.6921, 33.5438, 20.6078** is the 20% darker color. If you saturate the color by 10%, you get **41.9112, 62.6102, 36.7288**, and if you desaturate by 10%, it is **53.7634, 68.3266, 55.0695**.

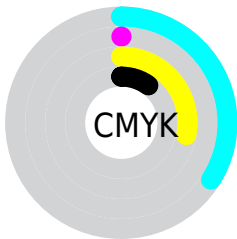
Distribution



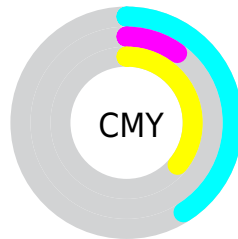
- Red (59%)
- Green (90%)
- Blue (64%)



- Red (59%)
- Yellow (85%)
- Blue (90%)



- Cyan (34%)
- Magenta (0%)
- Yellow (28%)
- Black (10%)




- Cyan (41%)
- Magenta (10%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2978, 65.2030, 45.2145 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 47.2978, 65.2030, 45.2145 by changing the saturation by 10% instead.


 47.2978, 65.2030,
45.2145


 47.2978, 65.2030,
45.2145

366.6311,
443.5211, 383.8270

 33.4801, 47.6257,
31.2822


 85.3740, 112.3417,
84.3641

 22.6555, 33.5306,
20.5536

 110.3632,
142.6718, 110.4184

 14.4586, 22.5332,
12.6100


139.8069,
178.0217, 141.3506

 8.5241, 14.2492,
7.0330

174.0706,
218.7757, 177.5791

 4.4867, 8.2942,
3.4040

213.5194,
265.3183, 219.5224

 1.9810, 4.2838,
1.3044

258.5189,

 0.6233, 1.8335,

318.0338, 267.5992

0.0654

309.4343,
377.3066, 322.2278

■ 0.0000, 0.5079,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.2978, 65.2030,
45.2145

■ 47.2978, 65.2030,
45.2145

■ 41.9112, 62.6102,
36.7288

■ 53.7634, 68.3266,
55.0695

■ 37.5392, 60.5108,
29.5476

■ 61.3576, 71.9998,
66.3460

■ 34.1186, 58.8754,
23.6074

■ 70.1330, 76.2505,
79.0990

■ 31.5766, 57.6679,
18.8375

■ 80.1372, 81.1022,
93.3791

■ 29.8297, 56.8469,
15.1603

■ 87.3106, 84.5212,
106.3202

■ 28.7771, 56.3623,
12.4885

■ 28.4136, 56.1984,
11.4098

Harmonies

Analogous

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



53.6944, 65.2030, 32.5880



47.2978, 65.2030, 45.2145



44.7989, 65.2030, 68.2106

Triad

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



47.2978, 65.2030, 45.2145



60.9935, 65.2030, 140.7765



80.5764, 65.2030, 48.9294

Complementary

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



47.2978, 65.2030, 45.2145



55.4873, 43.3783, 69.7408

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.



83.0569, 65.2030, 73.8541



47.2978, 65.2030, 45.2145



71.0627, 65.2030, 131.6632

Square

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



47.2978, 65.2030, 45.2145



52.1584, 65.2030, 127.4499



79.4085, 65.2030, 105.0809



72.9486, 65.2030, 34.2960

Rectangle

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



47.2978, 65.2030, 45.2145



45.4567, 65.2030, 88.2506



79.4085, 65.2030, 105.0809



82.0730, 65.2030, 56.1494

Sweetspot

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



47.2995, 65.2057, 45.2160



83.0869, 94.2020, 91.6599



61.7966, 72.8174, 39.6528



17.4511, 20.0019, 19.1339



0.0000, 0.0000, 0.0000



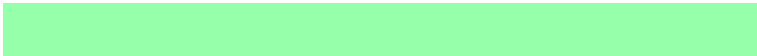
20.3446, 21.4041, 23.3091

Same Dimension

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



47.2995, 65.2057, 45.2160



55.5800, 80.9106, 50.2133



51.3387, 66.8214, 66.4860



14.2931, 16.1307, 15.8081



16.2758, 32.1424, 6.6868



1.2333, 2.3875, 0.6554

Inverse Universe

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



55.4873, 43.3783, 69.7408



67.4273, 49.3002, 85.6788



51.0908, 41.6197, 46.5893



14.8797, 14.5691, 17.5671



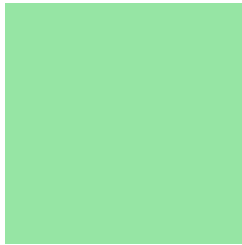
23.7310, 11.6266, 28.5422



1.7825, 0.8707, 2.2610

Previews

White Background



This preview shows how the XYZ color 47.2978, 65.2030, 45.2145 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 47.2978, 65.2030, 45.2145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

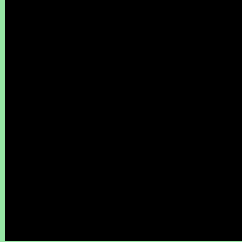
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2978, 65.2030, 45.2145

Background



This preview shows how black text looks on a background with the XYZ color 47.2978, 65.2030, 45.2145.



This preview shows how white text looks on a background with the XYZ color 47.2978, 65.2030,

45.2145.

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
47.2978, 65.2030, 45.2145
Protanopia
60.0143, 64.4673, 40.2907
Deuteranopia
65.6845, 64.3764, 46.9942



Tritanopia

56.1891, 65.1933, 89.7429

Trichromacy



Original Color

47.2978, 65.2030, 45.2145



Protanomaly

54.2731, 64.1001, 41.8598



Deuteranomaly

57.1897, 63.6158, 46.3106



Tritanomaly

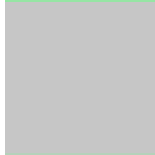
52.3186, 64.7994, 70.7228

Monochromacy



Original Color

47.2978, 65.2030, 45.2145



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.7194, 58.9699, 55.1635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2978, 65.2030, 45.2145 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(150, 229, 164)` looks like.

```
.text, #text, p{  
    color:rgb(150, 229, 164)  
}
```

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(150, 229, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 229, 164) }
```

Border

The CSS property to change the border of an element to XYZ 47.2978, 65.2030, 45.2145 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(150, 229, 164) }
```


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

```
.border{ border-color:rgb(150, 229, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 229, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 229, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 229, 164);  
box-shadow:4px 4px 4px 4px rgb(150, 229,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2978, 65.2030, 45.2145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 229, 164) }
```

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

```
.background{ background-color: rgb(150,  
229, 164) }
```

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