

Converting Colors

XYZ(46.8104, 59.7787, 45.4422)

Have a look what the booklet for
XYZ(46.8104, 59.7787, 45.4422)
contains.

XYZ(46.8408, 59.7943, 45.6319)	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(46.8408, 59.7943,
45.6319)**

Conversions

Conversions Part 1

Format	Color
Hex	A4D8A7
RGB	164, 216, 167
RGB Percent	64%, 85%, 65%
CMY	0.3569, 0.1529, 0.3451
CMYK	0.24, 0.00, 0.23, 0.15
HSL	123°, 40%, 75%
HSV	123°, 24%, 85%
XYZ	46.8408, 59.7943, 45.6319
YIQ	194.8660, -15.2630, -26.2630

Conversions

Conversions Part 2

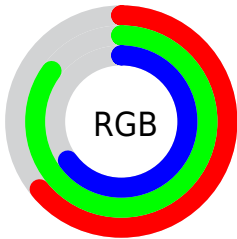
Format	Color
RYB	164, 213, 216
Decimal	10803367
CIELab	81.73, -26.29, 18.82
CIELCh	82, 32.337, 144.400
Yxy	59.7943, 0.3076, 0.3927
Android (android.graphics.Color)	4288993447 (0xFFA4D8A7)
YUV	194.8660, -13.7379, -27.0695
Hunter-Lab	77.3268, -27.1952, 19.1407

Details

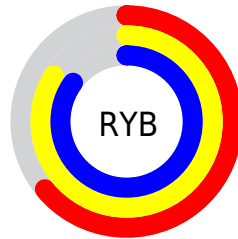
The XYZ color **46.8408, 59.7943, 45.6319** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.6067, 45.9553, 68.9984**, and the grayscale version is **51.8790, 54.5808, 59.4385**.

A 20% lighter version of the original color is **78.4600, 92.0096, 82.7316**, and **22.3949, 30.1071, 20.8506** is the 20% darker color. If you saturate the color by 10%, you get **41.0201, 56.9959, 36.2984**, and if you desaturate by 10%, it is **53.7179, 63.1065, 56.5633**.

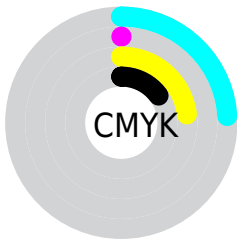
Distribution



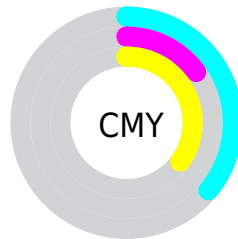
- Red (64%)
- Green (85%)
- Blue (65%)



- Red (64%)
- Yellow (84%)
- Blue (85%)



- Cyan (24%)
- Magenta (0%)
- Yellow (23%)
- Black (15%)





- Cyan (36%)
- Magenta (15%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8408, 59.7943, 45.6319 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 46.8408, 59.7943, 45.6319 by changing the saturation by 10% instead.


 46.8408, 59.7943,
45.6319


 46.8408, 59.7943,
45.6319


364.8382,
423.8392, 385.5613

 33.1172, 43.2529,
31.6089


 84.6961, 104.5312,
84.9963

 22.3759, 30.0836,
20.8006


 109.5586,
133.4955, 111.1748

 14.2515, 19.9020,
12.7885


138.8648,
167.3695, 142.2421

 8.3787, 12.3238,
7.1541

172.9800,
206.5376, 178.6169

 4.3920, 6.9646,
3.4787

212.2696,
251.3842, 220.7177

 1.9262, 3.4400,
1.3440

257.0989,

 0.5920, 1.3655,

302.2938, 268.9630

0.0974

307.8333,
359.6506, 323.7713

■ 0.0000, 0.1911,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.8408, 59.7943,
45.6319

■ 46.8408, 59.7943,
45.6319

■ 41.0201, 56.9959,
36.2984

■ 53.7179, 63.1065,
56.5633

■ 36.1991, 54.6786,
28.4843

■ 61.6952, 66.9484,
69.1584

■ 32.3229, 52.8174,
22.1104

■ 70.8197, 71.3447,
83.4839

■ 29.3293, 51.3821,
17.0887

■ 81.1343, 76.3160,
99.6019

■ 27.1487, 50.3392,
13.3218

■ 83.8470, 77.5941,
105.1657

■ 25.7012, 49.6495,
10.6990

■ 24.8904, 49.2663,
9.0904

■ 24.6263, 49.1418,
8.5503

Harmonies

Analogous

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



51.5954, 59.7943, 36.5876



46.8408, 59.7943, 45.6319



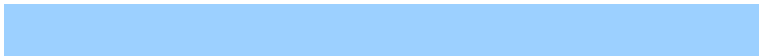
44.7764, 59.7943, 61.5158

Triad

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



46.8408, 59.7943, 45.6319



55.5649, 59.7943, 109.9910



69.6051, 59.7943, 50.8160

Complementary

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



46.8408, 59.7943, 45.6319



53.6067, 45.9553, 68.9984

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.



70.8794, 59.7943, 68.8329



46.8408, 59.7943, 45.6319



62.4129, 59.7943, 105.5568

Square

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



46.8408, 59.7943, 45.6319



49.5488, 59.7943, 100.5883



68.1532, 59.7943, 89.4555



64.7975, 59.7943, 39.1357

Rectangle

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



46.8408, 59.7943, 45.6319



45.0745, 59.7943, 74.8797



68.1532, 59.7943, 89.4555



70.4762, 59.7943, 56.2217

Sweetspot

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



46.8424, 59.7968, 45.6332



86.1942, 95.7340, 94.9632



58.8160, 66.0012, 44.7621



18.2940, 20.4163, 20.0814



0.0000, 0.0000, 0.0000



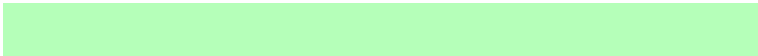
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8424, 59.7968, 45.6332



63.6182, 84.8660, 59.1023



49.4486, 60.8393, 59.3572



12.2912, 13.9075, 13.3478



14.5886, 29.0908, 5.1293



0.8904, 1.7588, 0.3644

Inverse Universe

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



53.6067, 45.9553, 68.9984



75.1446, 61.2763, 98.9133



50.6088, 44.7562, 53.2115



12.9206, 12.6198, 15.5223



23.1942, 11.2140, 34.6566



1.4086, 0.6802, 2.1411

Previews

White Background



This preview shows how the XYZ color 46.8408, 59.7943, 45.6319 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 46.8408, 59.7943, 45.6319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

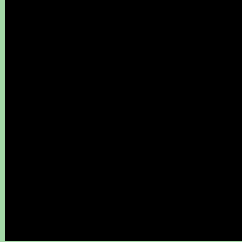
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8408, 59.7943, 45.6319

Background



This preview shows how black text looks on a background with the XYZ color 46.8408, 59.7943, 45.6319.

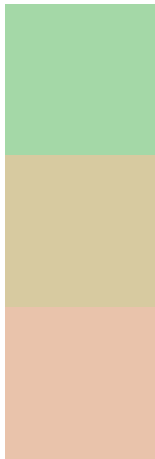


This preview shows how white text looks on a background with the XYZ color 46.8408, 59.7943,

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

46.8408, 59.7943, 45.6319

Protanopia

55.4900, 59.2262, 41.7649

Deuteranopia

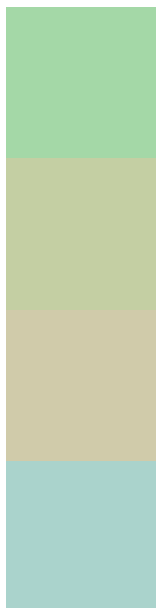
60.4701, 59.2941, 46.7859



Tritanopia

53.6020, 59.5467, 79.9027

Trichromacy



Original Color

46.8408, 59.7943, 45.6319

Protanomaly

51.6886, 59.0058, 43.3153

Deuteranomaly

54.6241, 59.0240, 46.5440

Tritanomaly

50.7709, 59.4942, 65.9344

Monochromacy



Original Color

46.8408, 59.7943, 45.6319

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.8801, 56.4050, 54.1572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8408, 59.7943, 45.6319 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(164, 216, 167)` looks like.

```
.text, #text, p{  
    color:rgb(164, 216, 167)  
}
```

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(164, 216, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 216, 167) }
```

Border

The CSS property to change the border of an element to XYZ 46.8408, 59.7943, 45.6319 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(164, 216, 167) }
```


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

```
.border{ border-color:rgb(164, 216, 167) }
```

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

Here you see how a box with a 4 pixel rgb(164, 216, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 216, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 216, 167);  
box-shadow:4px 4px 4px 4px rgb(164, 216,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8408, 59.7943, 45.6319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 216, 167) }
```

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

```
.background{ background-color: rgb(164,  
216, 167) }
```

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