

Converting Colors

XYZ(42.7983, 48.6664, 59.4846)

Have a look what the booklet for
XYZ(42.7983, 48.6664, 59.4846)
contains.

XYZ(42.6952, 48.5162, 59.3388)	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(42.6952, 48.5162,
59.3388)**

Conversions

Conversions Part 1

Format	Color
Hex	9EBFC4
RGB	158, 191, 196
RGB Percent	62%, 75%, 77%
CMY	0.3804, 0.2510, 0.2314
CMYK	0.19, 0.03, 0.00, 0.23
HSL	188°, 24%, 69%
HSV	188°, 19%, 77%
XYZ	42.6952, 48.5162, 59.3388
YIQ	181.7030, -21.2730, -5.4410

Conversions

Conversions Part 2

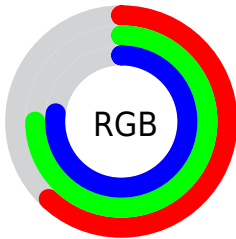
Format	Color
R _Y B	158, 176, 196
Decimal	10403780
CIE Lab	75.15, -9.96, -6.21
CIE LCh	75, 11.735, 211.950
Yxy	48.5162, 0.2836, 0.3223
Android (android.graphics.Color)	4288593860 (0xFF9EBFC4)
YUV	181.7030, 7.0484, -20.7875
Hunter-Lab	69.6536, -12.4795, -1.7524

Details

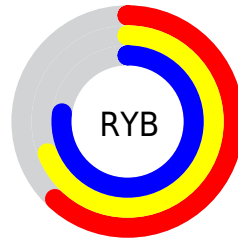
The XYZ color **42.6952, 48.5162, 59.3388** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.0342, 40.3990, 37.9312**, and the grayscale version is **44.2743, 46.5800, 50.7256**.

A 20% lighter version of the original color is **78.4310, 87.7595, 105.7340**, and **19.9148, 23.1941, 29.0185** is the 20% darker color. If you saturate the color by 10%, you get **38.5863, 45.5720, 58.9879**, and if you desaturate by 10%, it is **47.4318, 51.8012, 59.7240**.

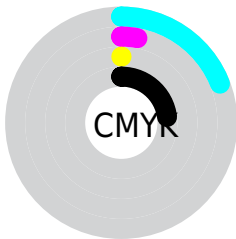
Distribution



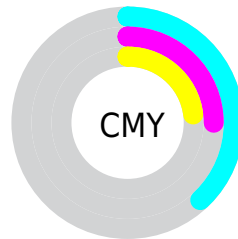
- Red (62%)
- Green (75%)
- Blue (77%)



- Red (62%)
- Yellow (69%)
- Blue (77%)



- Cyan (19%)
- Magenta (3%)
- Yellow (0%)
- Black (23%)



- Cyan (38%)
- Magenta (25%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6952, 48.5162, 59.3388 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 42.6952, 48.5162, 59.3388 by changing the saturation by 10% instead.

■ 42.6952, 48.5162,
59.3388

■ 42.6952, 48.5162,
59.3388

348.2996,
380.8346, 439.8931

■ 29.8395, 34.2359,
42.4641

■ 78.5093, 87.9725,
105.4039

■ 19.8643, 23.0748,
29.1366

■ 102.1984,
113.9172, 135.4313

■ 12.4041, 14.6488,
18.9377

130.2294,
144.5188, 170.6801

■ 7.0937, 8.5733,
11.4489

162.9676,
180.1618, 211.5688

■ 3.5676, 4.4639,
6.2517

200.7783,
221.2304, 258.5159

■ 1.4605, 1.9363,
2.9275

244.0270,

■ 0.2988, 0.5701,

268.1092, 311.9400

1.0577

293.0790,
321.1824, 372.2595

■ 0.0000, 0.0000,
0.0000

■ 42.6952, 48.5162,
59.3388

■ 42.6952, 48.5162,
59.3388

■ 38.5863, 45.5720,
58.9879

■ 47.4318, 51.8012,
59.7240

■ 35.0715, 42.9475,
58.6665

■ 52.8189, 55.4350,
60.1415

■ 32.1210, 40.6283,
58.3744

■ 58.8836, 59.4330,
60.5935

■ 29.7002, 38.5967,
58.1099

■ 65.6501, 63.8077,
61.0813

■ 27.7708, 36.8329,
57.8711

■ 72.7713, 68.3802,
61.5885

■ 26.2895, 35.3143,
57.6560

■ 73.3886, 69.6149,
61.7943

■ 25.2048, 34.0145,
57.4623

■ 74.0162, 70.8700,
62.0035

■ 24.4254, 32.8862,
57.2856

■ 74.6540, 72.1456,
62.2161

■ 24.3807, 32.8190,
57.2750

■ 75.3020, 73.4418,
62.4321

Harmonies

Analogous

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



42.1056, 48.5162, 53.2295



42.6952, 48.5162, 59.3388



44.1973, 48.5162, 63.9731

Triad

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



42.6952, 48.5162, 59.3388



49.8568, 48.5162, 58.5884



45.9728, 48.5162, 41.8595

Complementary

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



42.6952, 48.5162, 59.3388



42.0342, 40.3990, 37.9312

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.



48.0837, 48.5162, 43.0552



42.6952, 48.5162, 59.3388



50.3674, 48.5162, 52.4243

Square

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



42.6952, 48.5162, 59.3388



48.3345, 48.5162, 63.5168



49.7089, 48.5162, 46.8079



43.9610, 48.5162, 43.4075

Rectangle

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



42.6952, 48.5162, 59.3388



45.5369, 48.5162, 65.4309



49.7089, 48.5162, 46.8079



46.6943, 48.5162, 41.9536

Sweetspot

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



42.6966, 48.5182, 59.3399



89.0048, 95.9357, 108.4341



40.4016, 49.3739, 41.7866



18.9156, 20.4426, 23.1988



0.0000, 0.0000, 0.0000



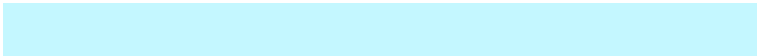
20.3446, 21.4041, 23.3091

Same Dimension

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



42.6966, 48.5182, 59.3399



74.2546, 85.6997, 107.2358



38.9260, 40.9769, 58.0830



10.2519, 11.1951, 12.9054



15.7106, 21.1776, 36.8163



0.7109, 0.9791, 1.6014

Inverse Universe

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



44.3969, 39.9523, 54.6640



77.8917, 67.6310, 97.1765



45.5495, 47.4296, 39.1030



10.4385, 10.2240, 12.3994



19.3259, 9.4201, 25.4262



0.8512, 0.4135, 1.1838

Previews

White Background



This preview shows how the XYZ color 42.6952, 48.5162, 59.3388 looks on a white background.

Color Contrast Check

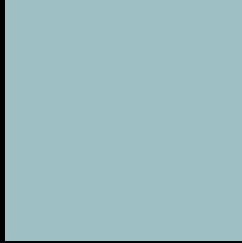
Large Text (above 18pt) WCAG AA × Fail

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 42.6952, 48.5162, 59.3388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

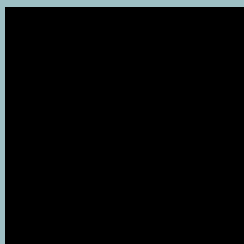
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

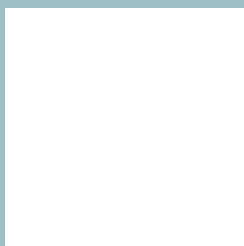
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6952, 48.5162, 59.3388

Background



This preview shows how black text looks on a background with the XYZ color 42.6952, 48.5162, 59.3388.



This preview shows how white text looks on a background with the XYZ color 42.6952, 48.5162,

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

42.6952, 48.5162, 59.3388

Protanopia

46.9046, 48.5259, 56.7635

Deuteranopia

49.0781, 48.0532, 60.1146



Tritanopia

43.9301, 48.7083, 64.8439

Trichromacy



Original Color

42.6952, 48.5162, 59.3388

Protanomaly

45.3005, 48.6210, 57.4493

Deuteranomaly

46.3029, 47.8433, 59.6176

Tritanomaly

43.3722, 48.4621, 62.9453

Monochromacy



Original Color

42.6952, 48.5162, 59.3388

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.5522, 47.1700, 53.8230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6952, 48.5162, 59.3388 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(158, 191, 196)` looks like.

```
.text, #text, p{  
    color:rgb(158, 191, 196)  
}
```

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(158, 191, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 191, 196) }
```

Border

The CSS property to change the border of an element to XYZ 42.6952, 48.5162, 59.3388 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(158, 191, 196) }
```


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

```
.border{ border-color:rgb(158, 191, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 191, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 191, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 191, 196);  
box-shadow:4px 4px 4px 4px rgb(158, 191,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6952, 48.5162, 59.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 191, 196) }
```

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

```
.background{ background-color: rgb(158,  
191, 196) }
```

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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