

Converting Colors

XYZ(46.4318, 63.2226, 59.0462)

Have a look what the booklet for
XYZ(46.4318, 63.2226, 59.0462)
contains.

XYZ(46.4318, 63.2226, 59.0462)	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(46.4318, 63.2226,
59.0462)**

Conversions

Conversions Part 1

Format	Color
Hex	86E2BF
RGB	134, 226, 191
RGB Percent	53%, 89%, 75%
CMY	0.4745, 0.1137, 0.2510
CMYK	0.41, 0.00, 0.15, 0.11
HSL	157°, 61%, 71%
HSV	157°, 41%, 89%
XYZ	46.4318, 63.2226, 59.0462
YIQ	194.5020, -43.5970, -30.3890

Conversions

Conversions Part 2

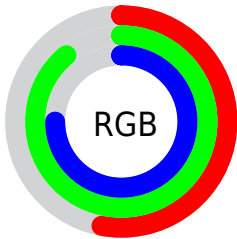
Format	Color
RYB	134, 191, 226
Decimal	8839871
CIELab	83.56, -35.35, 8.56
CIELCh	84, 36.369, 166.388
Yxy	63.2226, 0.2752, 0.3748
Android (android.graphics.Color)	4287029951 (0xFF86E2BF)
YUV	194.5020, -1.7265, -53.0603
Hunter-Lab	79.5126, -34.9112, 11.6300

Details

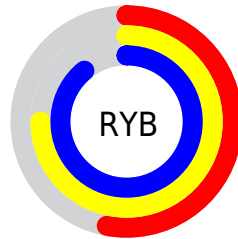
The XYZ color **46.4318, 63.2226, 59.0462** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.0526, 36.0850, 42.0236**, and the grayscale version is **51.6055, 54.2930, 59.1251**.

A 20% lighter version of the original color is **74.0344, 89.3118, 101.3326**, and **22.1041, 32.2041, 29.0958** is the 20% darker color. If you saturate the color by 10%, you get **42.2890, 61.1947, 54.0578**, and if you desaturate by 10%, it is **51.4034, 65.6746, 64.3662**.

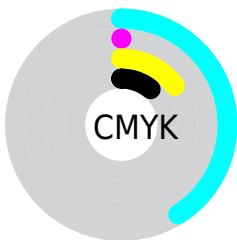
Distribution



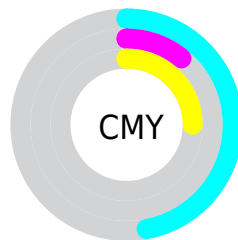
- Red (53%)
- Green (89%)
- Blue (75%)



- Red (53%)
- Yellow (75%)
- Blue (89%)



- Cyan (41%)
- Magenta (0%)
- Yellow (15%)
- Black (11%)





- Cyan (47%)
- Magenta (11%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4318, 63.2226, 59.0462 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 46.4318, 63.2226, 59.0462 by changing the saturation by 10% instead.


 46.4318, 63.2226,
59.0462


 46.4318, 63.2226,
59.0462


363.2288,
436.3769, 438.7797

 32.7928, 46.0213,
42.2301


 84.0888, 109.4906,
104.9746

 22.1262, 32.2626,
28.9546


 108.8374,
139.3261, 134.9239

 14.0668, 21.5622,
18.8012

 138.0200,
174.1418, 170.0881

 8.2491, 13.5356,
11.3513

172.0018,
214.3220, 210.8855

 4.3079, 7.7984,
6.1865

211.1482,
260.2513, 257.7349

 1.8778, 3.9662,
2.8882

255.8246,

 0.5639, 1.6547,

312.3139, 311.0547

1.0378

306.3964,
370.8943, 371.2635

■ 0.0000, 0.3940,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.4318, 63.2226,
59.0462

■ 46.4318, 63.2226,
59.0462

■ 42.2890, 61.1947,
54.0578

■ 51.4034, 65.6746,
64.3662

■ 38.9193, 59.5574,
49.3893


■ 57.2445, 68.5668,
70.0203


■ 36.2682, 58.2844,
45.0345


■ 63.9995, 71.9233,
76.0167


■ 34.2715, 57.3426,
40.9852


■ 71.7080, 75.7647,
82.3619


 32.8528, 56.6928,
37.2324

 80.4072, 80.1101,
89.0621

 31.9326, 56.2890,
34.0006

 84.5536, 82.1014,
95.8622

 85.8801, 82.6320,
102.8475

 86.4875, 82.8750,
106.0458

Harmonies

Analogous

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



49.6943, 63.2226, 42.8537



46.4318, 63.2226, 59.0462



46.5933, 63.2226, 81.9366

Triad

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



46.4318, 63.2226, 59.0462



64.5057, 63.2226, 119.9267



71.2575, 63.2226, 41.7700

Complementary

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



46.4318, 63.2226, 59.0462



47.0526, 36.0850, 42.0236

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.



75.9725, 63.2226, 57.2167



46.4318, 63.2226, 59.0462



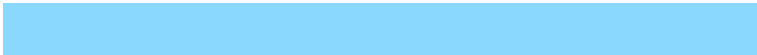
71.8456, 63.2226, 103.6451

Square

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



46.4318, 63.2226, 59.0462



56.5669, 63.2226, 120.7229



76.1967, 63.2226, 79.6580



63.7589, 63.2226, 34.4685

Rectangle

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



46.4318, 63.2226, 59.0462



48.6122, 63.2226, 98.1960



76.1967, 63.2226, 79.6580



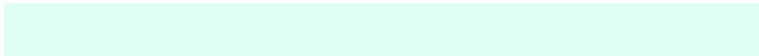
73.2484, 63.2226, 46.0069

Sweetspot

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



46.4335, 63.2252, 59.0476



82.8564, 93.9240, 98.8400



47.9208, 64.5811, 32.4948



17.4744, 19.9742, 20.9301



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.



46.4335, 63.2252, 59.0476



56.2927, 80.7974, 71.9569



47.9293, 59.2986, 80.8741



13.8840, 15.4793, 16.4242



18.2764, 32.1354, 19.7101



1.3100, 2.2447, 1.5937

Inverse Universe

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



47.0526, 36.0850, 42.0236



57.2238, 40.4364, 46.6917



45.7537, 38.0609, 27.4901



13.9219, 13.7864, 15.3590



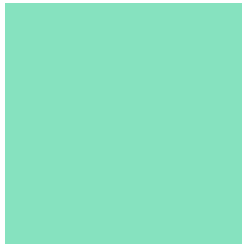
18.9045, 9.6288, 6.1630



1.3530, 0.6845, 0.6518

Previews

White Background



This preview shows how the XYZ color 46.4318, 63.2226, 59.0462 looks on a white background.

Color Contrast Check

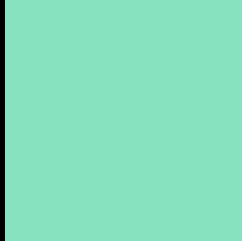
Large Text (above 18pt) WCAG AA × Fail

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 46.4318, 63.2226, 59.0462 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

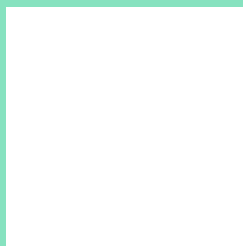
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4318, 63.2226, 59.0462

Background



This preview shows how black text looks on a background with the XYZ color 46.4318, 63.2226, 59.0462.



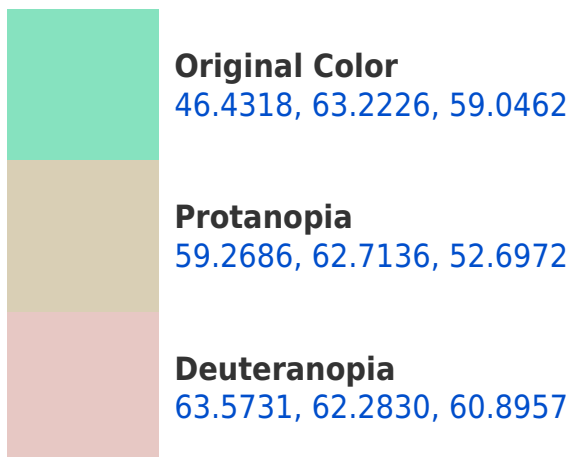
This preview shows how white text looks on a background with the XYZ color 46.4318, 63.2226,

59.0462.

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





Tritanopia

52.5563, 63.3206, 89.5728

Trichromacy



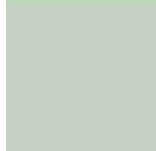
Original Color

46.4318, 63.2226, 59.0462



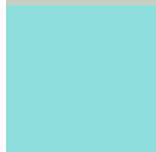
Protanomaly

53.2970, 62.1607, 55.0881



Deuteranomaly

55.3030, 61.2317, 59.9431



Tritanomaly

50.0240, 63.0726, 77.2478

Monochromacy



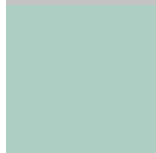
Original Color

46.4318, 63.2226, 59.0462



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.0425, 56.9219, 59.4411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4318, 63.2226, 59.0462 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(134, 226, 191)` looks like.

```
.text, #text, p{  
    color:rgb(134, 226, 191)  
}
```

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(134, 226, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 226, 191) }
```

Border

The CSS property to change the border of an element to XYZ 46.4318, 63.2226, 59.0462 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(134, 226, 191) }
```


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

```
.border{ border-color:rgb(134, 226, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 226, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 226, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 226, 191);  
box-shadow:4px 4px 4px 4px rgb(134, 226,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4318, 63.2226, 59.0462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 226, 191) }
```

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

```
.background{ background-color: rgb(134,  
226, 191) }
```

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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