

Converting Colors

XYZ(39.6628, 46.9475, 63.6727)

Have a look what the booklet for
XYZ(39.6628, 46.9475, 63.6727)
contains.

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Color

**XYZ(39.5636, 46.8076,
63.4495)**

Conversions

Conversions Part 1

Format	Color
Hex	88BFCB
RGB	136, 191, 203
RGB Percent	53%, 75%, 80%
CMY	0.4667, 0.2510, 0.2039
CMYK	0.33, 0.06, 0.00, 0.20
HSL	191°, 39%, 66%
HSV	191°, 33%, 80%
XYZ	39.5636, 46.8076, 63.4495
YIQ	175.9230, -36.6320, -7.9280

Conversions

Conversions Part 2

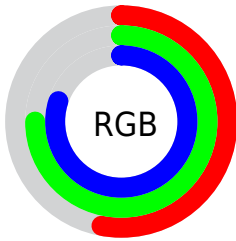
Format	Color
RYB	136, 166, 203
Decimal	8961995
CIELab	74.07, -14.89, -11.77
CIELCh	74, 18.978, 218.312
Yxy	46.8076, 0.2641, 0.3124
Android (android.graphics.Color)	4287152075 (0xFF88BFCB)
YUV	175.9230, 13.3490, -35.0125
Hunter-Lab	68.4161, -16.5053, -7.0947

Details

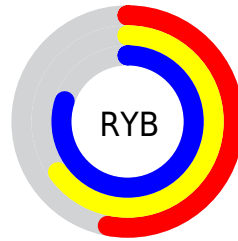
The XYZ color **39.5636, 46.8076, 63.4495** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.6631, 35.6544, 28.0851**, and the grayscale version is **41.1741, 43.3184, 47.1737**.

A 20% lighter version of the original color is **72.7966, 84.8179, 107.1424**, and **18.0806, 22.1859, 31.7631** is the 20% darker color. If you saturate the color by 10%, you get **35.7912, 43.7016, 63.0496**, and if you desaturate by 10%, it is **43.9829, 50.2786, 63.8873**.

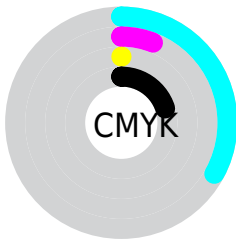
Distribution



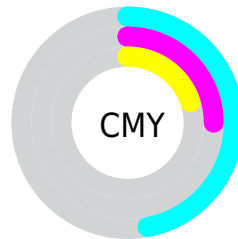
- Red (53%)
- Green (75%)
- Blue (80%)



- Red (53%)
- Yellow (65%)
- Blue (80%)



- Cyan (33%)
- Magenta (6%)
- Yellow (0%)
- Black (20%)



- Cyan (47%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5636, 46.8076, 63.4495 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 39.5636, 46.8076, 63.4495 by changing the saturation by 10% instead.

■ 39.5636, 46.8076,
63.4495

■ 39.5636, 46.8076,
63.4495

335.4468,
374.0460, 455.3518

■ 27.3811, 32.8836,
45.7616

■ 73.7871, 85.4264,
111.4096

■ 17.9977, 22.0373,
31.7104

■ 96.5588, 110.8899,
142.5188

■ 11.0480, 13.8843,
20.8774

■ 123.5911,
140.9687, 178.9390

■ 6.1667, 8.0402,
12.8441

155.2491,
176.0472, 221.0885

■ 2.9883, 4.1207,
7.1918

191.8984,
216.5098, 269.3861

■ 1.1476, 1.7413,
3.5021

233.9042,

■ 0.0644, 0.4502,

262.7409, 324.2501

1.3564

281.6319,
315.1248, 386.0991

■ 0.0000, 0.0000,
0.1073

■ 0.0000, 0.0000,
0.0000

■ 39.5636, 46.8076,
63.4495

■ 39.5636, 46.8076,
63.4495

■ 35.7912, 43.7016,
63.0496

■ 43.9829, 50.2786,
63.8873

■ 32.6260, 40.9365,
62.6827

■ 49.0776, 54.1260,
64.3614

■ 30.0303, 38.4938,
62.3480

■ 54.8795, 58.3676,
64.8744

■ 27.9605, 36.3508,
62.0435

■ 61.4172, 63.0184,
65.4275

■ 26.3664, 34.4814,
61.7667

■ 68.7177, 68.0924,
66.0221

■ 25.1876, 32.8542,
61.5147

■ 75.7674, 73.0674,
66.6108

■ 24.5341, 31.8207,
61.3497

■ 76.6911, 74.9147,
66.9187

■ 77.6353, 76.8033,
67.2334

■ 78.6004, 78.7333,
67.5551

Harmonies

Analogous

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



38.3404, 46.8076, 53.7148



39.5636, 46.8076, 63.4495



42.1213, 46.8076, 70.3750

Triad

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



39.5636, 46.8076, 63.4495



50.8315, 46.8076, 58.1875



43.5527, 46.8076, 34.6217

Complementary

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



39.5636, 46.8076, 63.4495



39.6631, 35.6544, 28.0851

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.



46.9442, 46.8076, 35.4996



39.5636, 46.8076, 63.4495



51.2626, 46.8076, 48.3117

Square

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



39.5636, 46.8076, 63.4495



48.6579, 46.8076, 67.0782



49.8076, 46.8076, 40.2369



40.5657, 46.8076, 37.6647

Rectangle

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



39.5636, 46.8076, 63.4495



44.2973, 46.8076, 72.0178



49.8076, 46.8076, 40.2369



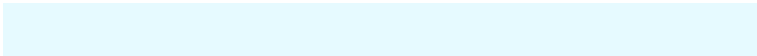
44.6817, 46.8076, 34.4765

Sweetspot

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



39.5650, 46.8095, 63.4506



84.8434, 92.6014, 108.0099



36.7898, 50.0589, 35.3967



17.8743, 19.6098, 23.0929



0.0000, 0.0000, 0.0000



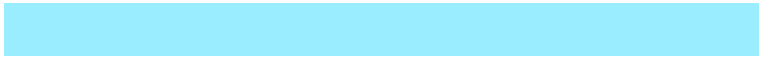
20.3446, 21.4041, 23.3091

Same Dimension

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



39.5650, 46.8095, 63.4506



61.3942, 74.4069, 105.7339



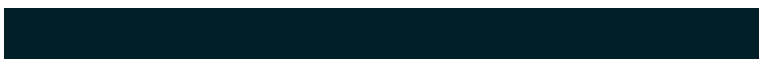
33.2176, 34.1147, 61.3348



11.3658, 12.3720, 14.3594



15.6738, 20.3715, 39.0623



0.8544, 1.1426, 2.0304

Inverse Universe

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



42.8379, 34.0675, 53.6101



67.8785, 50.1414, 86.0180



45.5296, 47.3874, 30.0406



11.5980, 11.3679, 13.6836



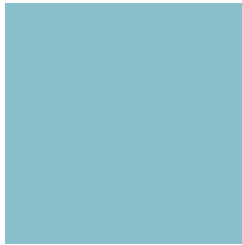
20.1223, 9.8595, 24.1604



1.0612, 0.5179, 1.3682

Previews

White Background



This preview shows how the XYZ color 39.5636, 46.8076, 63.4495 looks on a white background.

Color Contrast Check

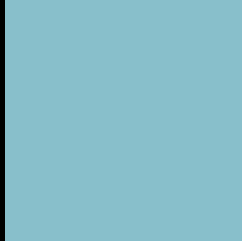
Large Text (above 18pt) WCAG AA × Fail

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 39.5636, 46.8076, 63.4495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

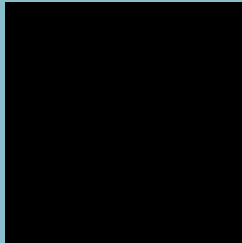
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.5636, 46.8076, 63.4495

Background



This preview shows how black text looks on a background with the XYZ color 39.5636, 46.8076, 63.4495.



This preview shows how white text looks on a background with the XYZ color 39.5636, 46.8076,

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

39.5636, 46.8076, 63.4495

Protanopia

45.1075, 46.3313, 58.7900

Deuteranopia

47.6018, 46.5919, 64.8768



Tritanopia

40.0879, 47.0362, 65.3586

Trichromacy



Original Color

39.5636, 46.8076, 63.4495

Protanomaly

42.7591, 46.2970, 60.7154

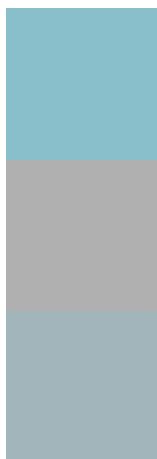
Deuteranomaly

44.1096, 46.2987, 64.3693

Tritanomaly

39.9668, 46.9877, 64.7207

Monochromacy



Original Color

39.5636, 46.8076, 63.4495

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.0847, 44.1700, 52.8673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5636, 46.8076, 63.4495 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(136, 191, 203)` looks like.

```
.text, #text, p{  
    color:rgb(136, 191, 203)  
}
```

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(136, 191, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 191, 203) }
```

Border

The CSS property to change the border of an element to XYZ 39.5636, 46.8076, 63.4495 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(136, 191, 203) }
```


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

```
.border{ border-color:rgb(136, 191, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 191, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 191, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 191, 203);  
box-shadow:4px 4px 4px 4px rgb(136, 191,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5636, 46.8076, 63.4495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 191, 203) }
```

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

```
.background{ background-color: rgb(136,  
191, 203) }
```

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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