

Converting Colors

XYZ(40.5745, 46.8974, 67.1319)

Have a look what the booklet for
XYZ(40.5745, 46.8974, 67.1319)
contains.

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Color

**XYZ(40.5695, 46.9193,
67.2397)**

Conversions

Conversions Part 1

Format	Color
Hex	8BBED1
RGB	139, 190, 209
RGB Percent	55%, 75%, 82%
CMY	0.4549, 0.2549, 0.1804
CMYK	0.33, 0.09, 0.00, 0.18
HSL	196°, 43%, 68%
HSV	196°, 33%, 82%
XYZ	40.5695, 46.9193, 67.2397
YIQ	176.9170, -36.4950, -4.9030

Conversions

Conversions Part 2

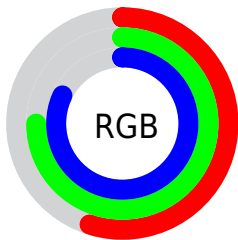
Format	Color
R _{YB}	139, 169, 209
Decimal	9158353
CIE Lab	74.14, -12.06, -14.90
CIE LCh	74, 19.174, 231.016
Yxy	46.9193, 0.2622, 0.3032
Android (android.graphics.Color)	4287348433 (0xFF8BBED1)
YUV	176.9170, 15.8169, -33.2532
Hunter-Lab	68.4977, -14.1497, -10.2528

Details

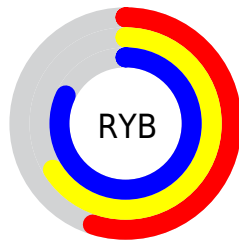
The XYZ color **40.5695, 46.9193, 67.2397** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.1822, 39.8736, 29.8476**, and the grayscale version is **41.6809, 43.8515, 47.7543**.

A 20% lighter version of the original color is **73.2539, 84.6009, 107.0765**, and **18.6998, 22.2363, 34.3168** is the 20% darker color. If you saturate the color by 10%, you get **36.2033, 42.8810, 66.6912**, and if you desaturate by 10%, it is **45.6535, 51.4009, 67.8376**.

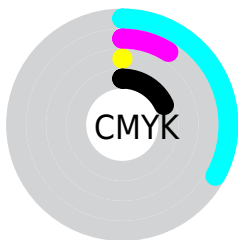
Distribution



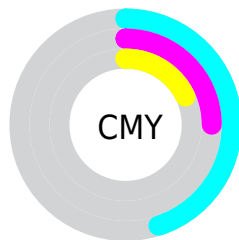
- Red (55%)
- Green (75%)
- Blue (82%)



- Red (55%)
- Yellow (66%)
- Blue (82%)



- Cyan (33%)
- Magenta (9%)
- Yellow (0%)
- Black (18%)



- Cyan (45%)
- Magenta (25%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5695, 46.9193, 67.2397 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 40.5695, 46.9193, 67.2397 by changing the saturation by 10% instead.

■ 40.5695, 46.9193,
67.2397

■ 40.5695, 46.9193,
67.2397

339.6115,
374.4923, 469.3222

■ 28.1690, 32.9719,
48.8166

■ 75.3088, 85.5932,
116.9077

■ 18.5942, 22.1049,
34.1095

■ 98.3783, 111.0884,
148.9897

■ 11.4797, 13.9340,
22.6997

■ 125.7349,
141.2016, 186.4618

■ 6.4601, 8.0748,
14.1687

157.7440,
176.3173, 229.7425

■ 3.1701, 4.1428,
8.0980

194.7708,
216.8198, 279.2504

■ 1.2444, 1.7538,
4.0690

237.1808,

■ 0.1410, 0.4581,

263.0936, 335.4039

1.6633

285.3392,
315.5229, 398.6217

■ 0.0000, 0.0000,
0.3354

■ 0.0000, 0.0000,
0.0000

■ 40.5695, 46.9193,
67.2397

■ 40.5695, 46.9193,
67.2397

■ 36.2033, 42.8810,
66.6912

■ 45.6535, 51.4009,
67.8376

■ 32.5120, 39.2596,
66.1867

■ 51.4866, 56.3393,
68.4834

■ 29.4543, 36.0344,
65.7253

■ 58.1035, 61.7543,
69.1798

■ 26.9828, 33.1798,
65.3046

■ 65.5352, 67.6627,
69.9285

■ 25.0424, 30.6668,
64.9218

■ 73.8112, 74.0804,
70.7311

■ 23.5671, 28.4604,
64.5737

■ 79.4145, 79.1950,
71.4230

■ 22.7821, 27.1502,
64.3622

■ 80.9649, 82.2959,
71.9398

■ 82.5667, 85.4993,
72.4737

■ 84.2203, 88.8065,
73.0249

Harmonies

Analogous

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



38.7119, 46.9193, 58.1727



40.5695, 46.9193, 67.2397



43.5723, 46.9193, 72.1320

Triad

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



40.5695, 46.9193, 67.2397



51.4397, 46.9193, 54.0971



42.2693, 46.9193, 35.3912

Complementary

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



40.5695, 46.9193, 67.2397



43.1822, 39.8736, 29.8476

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.



45.6343, 46.9193, 34.5942



40.5695, 46.9193, 67.2397



51.0467, 46.9193, 44.6016

Square

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



40.5695, 46.9193, 67.2397



49.9269, 46.9193, 63.9296



48.8792, 46.9193, 37.7537



39.6576, 46.9193, 40.0912

Rectangle

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



40.5695, 46.9193, 67.2397



45.8689, 46.9193, 71.9855



48.8792, 46.9193, 37.7537



43.3456, 46.9193, 34.6840

Sweetspot

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



40.5709, 46.9212, 67.2408



84.1146, 91.1439, 107.7670



39.5918, 53.5480, 40.4477



17.6972, 19.2556, 23.0339



0.0000, 0.0000, 0.0000



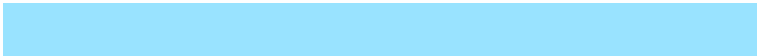
20.3446, 21.4041, 23.3091

Same Dimension

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



40.5709, 46.9212, 67.2408



58.7427, 69.1040, 104.8501



33.9340, 33.6474, 65.0285



11.8757, 12.8417, 15.0964



14.1321, 16.9109, 39.7118



0.8541, 1.0735, 2.2418

Inverse Universe

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



44.8225, 35.7394, 53.2532



66.5402, 49.6060, 78.9704



49.9520, 53.4131, 32.1042



12.1682, 11.9520, 14.1614



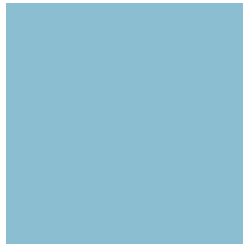
19.7640, 9.7784, 19.4611



1.1374, 0.5597, 1.2582

Previews

White Background



This preview shows how the XYZ color 40.5695, 46.9193, 67.2397 looks on a white background.

Color Contrast Check

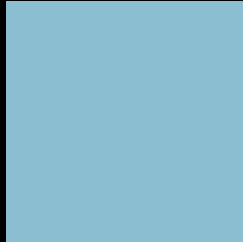
Large Text (above 18pt) WCAG AA × Fail

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 40.5695, 46.9193, 67.2397 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 40.5695, 46.9193, 67.2397

Background



This preview shows how black text looks on a background with the XYZ color 40.5695, 46.9193, 67.2397.



This preview shows how white text looks on a background with the XYZ color 40.5695, 46.9193,

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

40.5695, 46.9193, 67.2397

Protanopia

45.6912, 46.5380, 63.0745

Deuteranopia

47.6134, 46.5120, 68.7556



Tritanopia

40.2526, 47.1211, 65.3663

Trichromacy



Original Color

40.5695, 46.9193, 67.2397

Protanomaly

43.4698, 46.5813, 64.4576

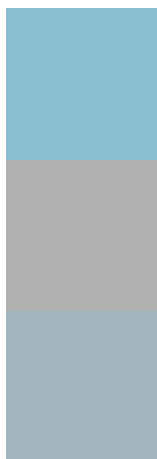
Deuteranomaly

44.6343, 46.4839, 68.2478

Tritanomaly

40.3745, 47.1699, 66.0082

Monochromacy



Original Color

40.5695, 46.9193, 67.2397

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.0175, 44.9166, 54.6520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5695, 46.9193, 67.2397 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(139, 190, 209)` looks like.

```
.text, #text, p{  
    color:rgb(139, 190, 209)  
}
```

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(139, 190, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 190, 209) }
```

Border

The CSS property to change the border of an element to XYZ 40.5695, 46.9193, 67.2397 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(139, 190, 209) }
```


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

```
.border{ border-color:rgb(139, 190, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 190, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 190, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 190, 209);  
box-shadow:4px 4px 4px 4px rgb(139, 190,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5695, 46.9193, 67.2397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 190, 209) }
```

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

```
.background{ background-color: rgb(139,  
190, 209) }
```

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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