

Converting Colors

XYZ(59.5473, 66.4073, 83.5685)

Have a look what the booklet for
XYZ(59.5473, 66.4073, 83.5685)
contains.

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Color

**XYZ(59.4640, 66.2391,
83.7801)**

Conversions

Conversions Part 1

Format	Color
Hex	BADAE5
RGB	186, 218, 229
RGB Percent	73%, 85%, 90%
CMY	0.2706, 0.1451, 0.1020
CMYK	0.19, 0.05, 0.00, 0.10
HSL	195°, 45%, 81%
HSV	195°, 19%, 90%
XYZ	59.4640, 66.2391, 83.7801
YIQ	209.6860, -22.6030, -3.3630

Conversions

Conversions Part 2

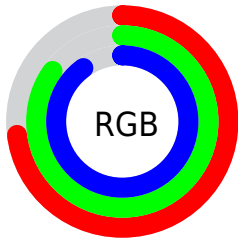
Format	Color
R _Y B	186, 204, 229
Decimal	12245733
CIE Lab	85.12, -8.22, -8.93
CIE LCh	85, 12.134, 227.372
Yxy	66.2391, 0.2839, 0.3162
Android (android.graphics.Color)	4290435813 (0xFFBADA E5)
YUV	209.6860, 9.5218, -20.7726
Hunter-Lab	81.3874, -12.0107, -4.0619

Details

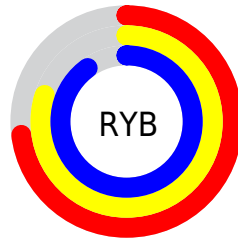
The XYZ color **59.4640, 66.2391, 83.7801** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.1429, 60.1358, 54.8405**, and the grayscale version is **61.0045, 64.1815, 69.8937**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **30.2529, 34.1559, 45.0427** is the 20% darker color. If you saturate the color by 10%, you get **52.8488, 60.6155, 83.0444**, and if you desaturate by 10%, it is **67.0284, 72.4351, 84.5784**.

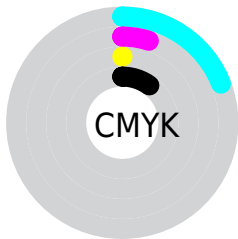
Distribution



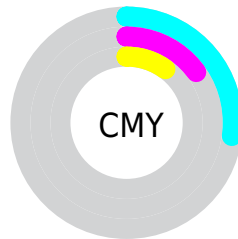
- Red (73%)
- Green (85%)
- Blue (90%)



- Red (73%)
- Yellow (80%)
- Blue (90%)



- Cyan (19%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)



- Cyan (27%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4640, 66.2391, 83.7801 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 59.4640, 66.2391, 83.7801 by changing the saturation by 10% instead.

■ 59.4640, 66.2391,
83.7801

■ 59.4640, 66.2391,
83.7801

412.4857,
447.2315, 527.6217

■ 43.2346, 48.4665,
62.2896

■ 103.1625,
113.8294, 140.5265

■ 30.2645, 34.1965,
44.8294

131.3623,
144.4160, 176.6195

■ 20.1885, 23.0446,
30.9811

164.2829,
180.0427, 218.4170

■ 12.6412, 14.6264,
20.3261

202.2897,
221.0938, 266.3376

■ 7.2572, 8.5576,
12.4459

245.7480,
267.9539, 320.7998

■ 3.6713, 4.4538,
6.9219

295.0232,

■ 1.5179, 1.9305,

321.0073, 382.2222

3.3356

350.4807,
380.6383, 451.0233

■ 0.3380, 0.5666,
1.2684

■ 0.0000, 0.0000,
0.0357

■ 59.4640, 66.2391,
83.7801

■ 59.4640, 66.2391,
83.7801

■ 52.8488, 60.6155,
83.0444

■ 67.0284, 72.4351,
84.5784

■ 47.1339, 55.5332,
82.3646

■ 75.5762, 79.2168,
85.4369

■ 42.2749, 50.9702,
81.7399

■ 85.1470, 86.6071,
86.3590

■ 38.2211, 46.8995,
81.1679

■ 86.9662, 90.0834,
86.9341

■ 34.9162, 43.2912,
80.6456

■ 88.7319, 93.6150,
87.5227

■ 32.2961, 40.1115,
80.1699

■ 90.5540, 97.2591,
88.1300

■ 30.2852, 37.3203,
79.7372

■ 91.1431, 98.4372,
88.3264

■ 28.7696, 34.8583,
79.3418

■ 28.5994, 34.5700,
79.2952

Harmonies

Analogous

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



58.0721, 66.2391, 76.7135



59.4640, 66.2391, 83.7801



61.8157, 66.2391, 87.8384

Triad

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



59.4640, 66.2391, 83.7801



68.2299, 66.2391, 75.4656



61.4013, 66.2391, 58.6846

Complementary

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



59.4640, 66.2391, 83.7801



61.1429, 60.1358, 54.8405

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.



64.1148, 66.2391, 58.4038



59.4640, 66.2391, 83.7801



68.1111, 66.2391, 67.7196

Square

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



59.4640, 66.2391, 83.7801



66.9068, 66.2391, 82.8098



66.5868, 66.2391, 61.6009



59.1682, 66.2391, 62.3978

Rectangle

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



59.4640, 66.2391, 83.7801



63.6354, 66.2391, 88.1121



66.5868, 66.2391, 61.6009



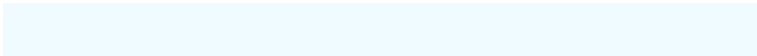
62.2860, 66.2391, 58.1958

Sweetspot

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



59.4660, 66.2418, 83.7816



88.4078, 94.7416, 108.2351



58.3197, 70.4987, 63.2084



18.7742, 20.1597, 23.1516



0.0000, 0.0000, 0.0000



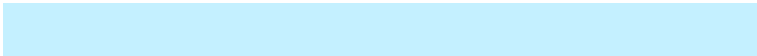
20.3446, 21.4041, 23.3091

Same Dimension

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



59.4660, 66.2418, 83.7816



72.0663, 81.3232, 106.5064



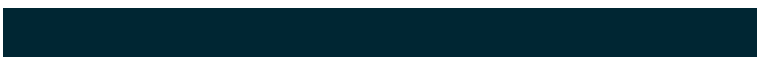
54.3034, 55.9167, 82.0607



14.4791, 15.6795, 18.4077



16.4531, 19.9682, 45.3703



1.2893, 1.6225, 3.3772

Inverse Universe

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



62.5285, 56.8393, 74.0083



76.7872, 67.1892, 91.3601



66.3135, 70.4770, 56.5641



14.8294, 14.5489, 17.3020



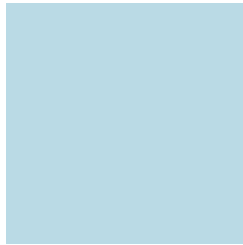
22.6983, 11.2135, 23.1037



1.7144, 0.8435, 1.9025

Previews

White Background



This preview shows how the XYZ color 59.4640, 66.2391, 83.7801 looks on a white background.

Color Contrast Check

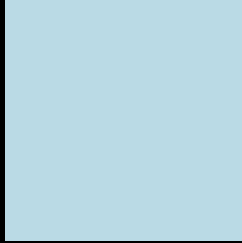
Large Text (above 18pt) WCAG AA × Fail

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 59.4640, 66.2391, 83.7801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

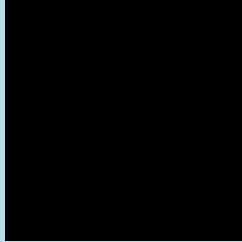
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.4640, 66.2391, 83.7801

Background



This preview shows how black text looks on a background with the XYZ color 59.4640, 66.2391, 83.7801.

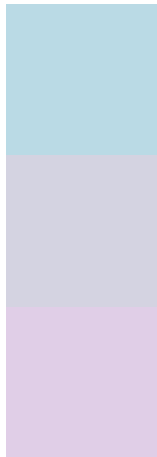


This preview shows how white text looks on a background with the XYZ color 59.4640, 66.2391,

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

59.4640, 66.2391, 83.7801

Protanopia

64.0363, 66.0218, 80.6026

Deuteranopia

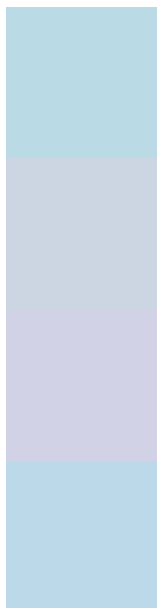
67.2356, 65.7594, 84.7504



Tritanopia

60.1577, 66.1310, 87.4358

Trichromacy



Original Color

59.4640, 66.2391, 83.7801

Protanomaly

62.4026, 66.2806, 81.4560

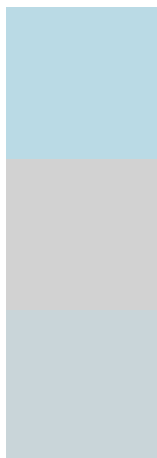
Deuteranomaly

63.9079, 65.5080, 84.1389

Tritanomaly

59.8719, 66.0167, 85.9308

Monochromacy



Original Color

59.4640, 66.2391, 83.7801

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

60.4060, 65.0158, 75.0112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.4640, 66.2391, 83.7801 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(186, 218, 229)` looks like.

```
.text, #text, p{  
    color:rgb(186, 218, 229)  
}
```

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(186, 218, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 218, 229) }
```

Border

The CSS property to change the border of an element to XYZ 59.4640, 66.2391, 83.7801 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(186, 218, 229) }
```


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

```
.border{ border-color:rgb(186, 218, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 218, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 218, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 218, 229);  
box-shadow:4px 4px 4px 4px rgb(186, 218,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 59.4640, 66.2391, 83.7801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 218, 229) }
```

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

```
.background{ background-color: rgb(186,  
218, 229) }
```

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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