

Converting Colors

XYZ(48.3337, 53.3551, 86.5058)

Have a look what the booklet for
XYZ(48.3337, 53.3551, 86.5058)
contains.

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Color

**XYZ(48.3677, 53.5204,
86.3785)**

Conversions

Conversions Part 1

Format	Color
Hex	98C7EB
RGB	152, 199, 235
RGB Percent	60%, 78%, 92%
CMY	0.4039, 0.2196, 0.0784
CMYK	0.35, 0.15, 0.00, 0.08
HSL	206°, 67%, 76%
HSV	206°, 35%, 92%
XYZ	48.3677, 53.5204, 86.3785
YIQ	189.0510, -39.5680, 1.2320

Conversions

Conversions Part 2

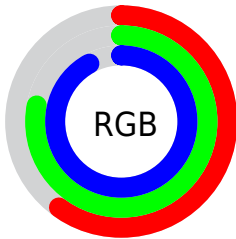
Format	Color
RYB	152, 182, 235
Decimal	10012651
CIELab	78.18, -6.77, -22.76
CIELCh	78, 23.748, 253.443
Yxy	53.5204, 0.2569, 0.2843
Android (android.graphics.Color)	4288202731 (0xFF98C7EB)
YUV	189.0510, 22.6529, -32.4937
Hunter-Lab	73.1576, -10.0117, -18.7944

Details

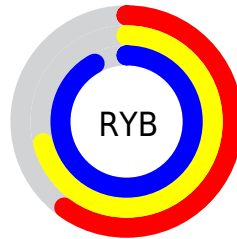
The XYZ color **48.3677, 53.5204, 86.3785** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.9126, 55.8965, 37.4441**, and the grayscale version is **48.2911, 50.8060, 55.3277**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **23.2991, 26.1021, 46.4580** is the 20% darker color. If you saturate the color by 10%, you get **42.1306, 46.9406, 85.4381**, and if you desaturate by 10%, it is **55.6366, 60.8678, 87.4145**.

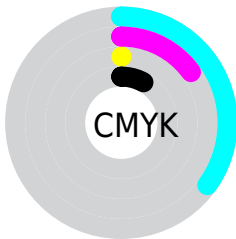
Distribution



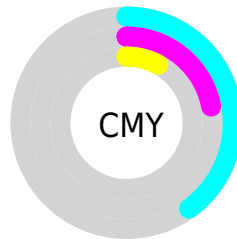
- Red (60%)
- Green (78%)
- Blue (92%)



- Red (60%)
- Yellow (71%)
- Blue (92%)



- Cyan (35%)
- Magenta (15%)
- Yellow (0%)
- Black (8%)



- Cyan (40%)
- Magenta (22%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3677, 53.5204, 86.3785 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 48.3677, 53.5204, 86.3785 by changing the saturation by 10% instead.

■ 48.3677, 53.5204,
86.3785

■ 48.3677, 53.5204,
86.3785

370.8061,
400.2785, 536.4415

■ 34.3306, 38.2184,
64.4243

■ 86.9580, 95.3697,
144.1888

■ 23.3118, 26.1522,
46.5461

■ 112.2420,
122.6857, 180.8819

■ 14.9459, 16.9375,
32.3252

142.0056,
154.7752, 223.3252

■ 8.8675, 10.1900,
21.3431

176.6142,
192.0226, 271.9371

■ 4.7113, 5.5251,
13.1814

216.4332,
234.8122, 327.1361

■ 2.1119, 2.5585,
7.4214

261.8280,

■ 0.6957, 0.9059,

283.5285, 389.3408

3.6446

313.1638,
338.5558, 458.9698

■ 0.0000, 0.0000,
1.4325

■ 0.0000, 0.0000,
0.1668

■ 48.3677, 53.5204,
86.3785

■ 48.3677, 53.5204,
86.3785

■ 42.1306, 46.9406,
85.4381

■ 55.6366, 60.8678,
87.4145

■ 36.8655, 41.0893,
84.5862

■ 63.9828, 69.0069,
88.5456

■ 32.5137, 35.9328,
83.8203

■ 73.4547, 77.9682,
89.7761

■ 29.0075, 31.4314,
83.1362

■ 84.0965, 87.7786,
91.1088

■ 26.2684, 27.5397,
82.5294

■ 90.4106, 95.6082,
92.2873

■ 24.2005, 24.2030,
81.9944

■ 91.9956, 98.7782,
92.8156

■ 23.3936, 22.7943,
81.7650

Harmonies

Analogous

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



44.6591, 53.5204, 77.6834



48.3677, 53.5204, 86.3785



52.9734, 53.5204, 86.8467

Triad

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



48.3677, 53.5204, 86.3785



60.0559, 53.5204, 52.5303



44.9743, 53.5204, 41.6124

Complementary

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



48.3677, 53.5204, 86.3785



57.9126, 55.8965, 37.4441

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.



48.8221, 53.5204, 36.7768



48.3677, 53.5204, 86.3785



57.6306, 53.5204, 42.4021

Square

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



48.3677, 53.5204, 86.3785



59.9157, 53.5204, 65.8683



53.4562, 53.5204, 37.0420



42.7830, 53.5204, 51.2882

Rectangle

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



48.3677, 53.5204, 86.3785



55.9499, 53.5204, 82.3186



53.4562, 53.5204, 37.0420



46.1064, 53.5204, 39.4377

Sweetspot

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



48.3694, 53.5225, 86.3797



81.7138, 87.5447, 107.1988



51.7320, 69.7226, 58.2908



17.1635, 18.4279, 22.9023



0.0000, 0.0000, 0.0000



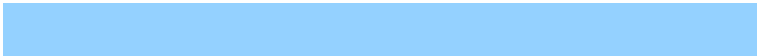
20.3446, 21.4041, 23.3091

Same Dimension

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



48.3694, 53.5225, 86.3797



52.9346, 58.8864, 103.1840



40.0931, 36.9699, 83.6210



14.9391, 15.9646, 19.2164



13.1488, 12.9446, 45.5485



1.1279, 1.2072, 3.6084

Inverse Universe

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



55.7994, 44.2437, 59.6340



63.2670, 46.9896, 65.7644



68.0782, 76.2275, 40.8326



15.4228, 15.1970, 17.5118



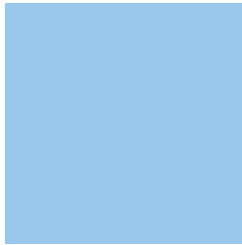
21.4922, 10.7996, 13.6591



1.7358, 0.8673, 1.3260

Previews

White Background



This preview shows how the XYZ color 48.3677, 53.5204, 86.3785 looks on a white background.

Color Contrast Check

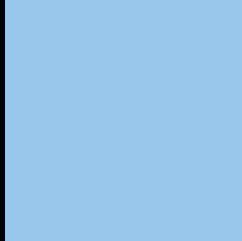
Large Text (above 18pt) WCAG AA × Fail

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 48.3677, 53.5204, 86.3785 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 48.3677, 53.5204, 86.3785

Background



This preview shows how black text looks on a background with the XYZ color 48.3677, 53.5204, 86.3785.



This preview shows how white text looks on a background with the XYZ color 48.3677, 53.5204,

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

48.3677, 53.5204, 86.3785

Protanopia

52.9213, 53.2891, 82.3595

Deuteranopia

54.4699, 53.3284, 87.5433



Tritanopia

45.9882, 53.5989, 74.2515

Trichromacy



Original Color

48.3677, 53.5204, 86.3785

Protanomaly

51.0909, 53.2940, 83.9379

Deuteranomaly

52.1148, 53.4262, 86.9224

Tritanomaly

46.7356, 53.5447, 78.3929

Monochromacy



Original Color

48.3677, 53.5204, 86.3785

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.1150, 51.8263, 65.8601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3677, 53.5204, 86.3785 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(152, 199, 235)` looks like.

```
.text, #text, p{  
    color:rgb(152, 199, 235)  
}
```

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(152, 199, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 199, 235) }
```

Border

The CSS property to change the border of an element to XYZ 48.3677, 53.5204, 86.3785 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(152, 199, 235) }
```


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

```
.border{ border-color:rgb(152, 199, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 199, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 199, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 199, 235);  
box-shadow:4px 4px 4px 4px rgb(152, 199,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3677, 53.5204, 86.3785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 199, 235) }
```

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

```
.background{ background-color: rgb(152,  
199, 235) }
```

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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