

Converting Colors

XYZ(48.9276, 53.2206, 86.2922)

Have a look what the booklet for
XYZ(48.9276, 53.2206, 86.2922)
contains.

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Color

**XYZ(48.8663, 53.0988,
86.2708)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC5EB
RGB	157, 197, 235
RGB Percent	62%, 77%, 92%
CMY	0.3843, 0.2274, 0.0784
CMYK	0.33, 0.16, 0.00, 0.08
HSL	209°, 66%, 77%
HSV	209°, 33%, 92%
XYZ	48.8663, 53.0988, 86.2708
YIQ	189.3720, -36.0380, 3.3380

Conversions

Conversions Part 2

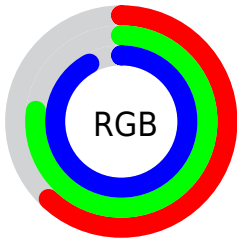
Format	Color
RYB	157, 183, 235
Decimal	10339819
CIELab	77.93, -4.33, -23.11
CIELCh	78, 23.516, 259.386
Yxy	53.0988, 0.2596, 0.2821
Android (android.graphics.Color)	4288529899 (0xFF9DC5EB)
YUV	189.3720, 22.4946, -28.3902
Hunter-Lab	72.8689, -7.8175, -19.1862

Details

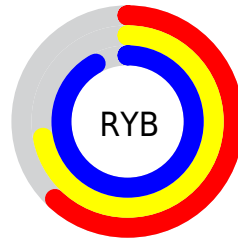
The XYZ color **48.8663, 53.0988, 86.2708** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.8628, 59.1275, 40.1575**, and the grayscale version is **48.4741, 50.9985, 55.5374**.

A 20% lighter version of the original color is **80.9324, 92.2498, 108.1481**, and **23.5527, 25.7832, 46.3831** is the 20% darker color. If you saturate the color by 10%, you get **42.2135, 45.9566, 85.2438**, and if you desaturate by 10%, it is **56.6017, 61.0946, 87.4074**.

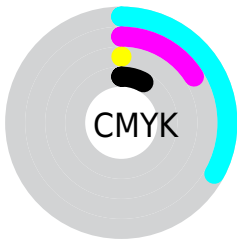
Distribution



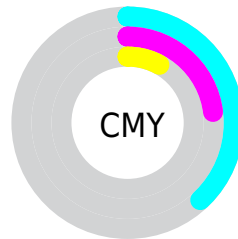
- Red (62%)
- Green (77%)
- Blue (92%)



- Red (62%)
- Yellow (72%)
- Blue (92%)



- Cyan (33%)
- Magenta (16%)
- Yellow (0%)
- Black (8%)



- Cyan (38%)
- Magenta (23%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8663, 53.0988, 86.2708 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 48.8663, 53.0988, 86.2708 by changing the saturation by 10% instead.

■ 48.8663, 53.0988,
86.2708

■ 48.8663, 53.0988,
86.2708

372.7414,
398.6641, 536.0776

■ 34.7275, 37.8816,
64.3357

■ 87.6948, 94.7497,
144.0372

■ 23.6186, 25.8908,
46.4747

■ 113.1152,
121.9523, 180.7056

■ 15.1741, 16.7420,
32.2692

143.0268,
153.9188, 223.1223

■ 9.0288, 10.0507,
21.3007

177.7951,
191.0336, 271.7057

■ 4.8172, 5.4326,
13.1506

217.7853,
233.6812, 326.8744

■ 2.1741, 2.5032,
7.4004

263.3629,

■ 0.7290, 0.8783,

282.2458, 389.0469

3.6315

314.8932,
337.1120, 458.6418

■ 0.0000, 0.0000,
1.4255

■ 0.0000, 0.0000,
0.1615

■ 48.8663, 53.0988,
86.2708

■ 48.8663, 53.0988,
86.2708

■ 42.2135, 45.9566,
85.2438

■ 56.6017, 61.0946,
87.4074

■ 36.5831, 39.6269,
84.3188

■ 65.4655, 69.9703,
88.6534

■ 31.9165, 34.0740,
83.4929

■ 75.5069, 79.7585,
90.0134

■ 28.1462, 29.2561,
82.7617

■ 86.7706, 90.4880,
91.4908

■ 25.1948, 25.1261,
82.1201

■ 91.7553, 98.2978,
92.7355

■ 22.9694, 21.6287,
81.5623

■ 91.9956, 98.7782,
92.8156

■ 21.7745, 19.5560,
81.2252

Harmonies

Analogous

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



44.9580, 53.0988, 79.1187



48.8663, 53.0988, 86.2708



53.4444, 53.0988, 84.9755

Triad

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



48.8663, 53.0988, 86.2708



59.2270, 53.0988, 49.8523



44.0832, 53.0988, 42.9218

Complementary

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



48.8663, 53.0988, 86.2708



59.8628, 59.1275, 40.1575

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.



47.6058, 53.0988, 37.1638



48.8663, 53.0988, 86.2708



56.4125, 53.0988, 40.7271

Square

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



48.8663, 53.0988, 86.2708



59.6151, 53.0988, 62.5797



52.1060, 53.0988, 36.4262



42.3094, 53.0988, 53.2996

Rectangle

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



48.8663, 53.0988, 86.2708



56.2571, 53.0988, 79.5472



52.1060, 53.0988, 36.4262



45.0918, 53.0988, 40.4530

Sweetspot

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



48.8680, 53.1009, 86.2720



82.4471, 87.8089, 107.2111



53.4307, 70.5125, 62.2477



17.2931, 18.4474, 22.8992



0.0000, 0.0000, 0.0000



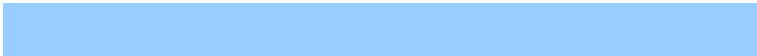
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8680, 53.1009, 86.2720



53.0923, 57.8032, 102.9666



41.1796, 37.7241, 83.7092



14.8700, 15.8264, 19.1933



12.2468, 11.1405, 45.2478



1.0580, 1.0674, 3.5851

Inverse Universe

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



56.3974, 45.8089, 58.6951



63.6881, 48.4652, 63.9517



69.6853, 78.7725, 43.4317



15.3879, 15.1830, 17.3281



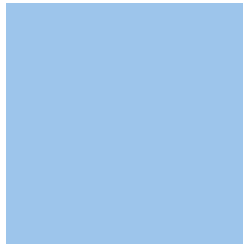
21.0369, 10.6175, 11.2616



1.7005, 0.8532, 1.1402

Previews

White Background



This preview shows how the XYZ color 48.8663, 53.0988, 86.2708 looks on a white background.

Color Contrast Check

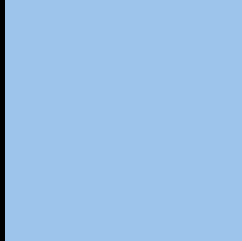
Large Text (above 18pt) WCAG AA × Fail

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 48.8663, 53.0988, 86.2708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

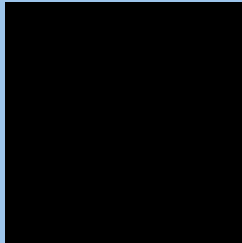
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

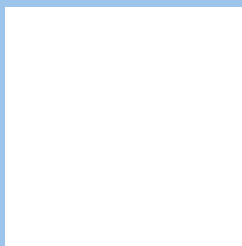
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8663, 53.0988, 86.2708

Background



This preview shows how black text looks on a background with the XYZ color 48.8663, 53.0988, 86.2708.



This preview shows how white text looks on a background with the XYZ color 48.8663, 53.0988,

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

48.8663, 53.0988, 86.2708

Protanopia

52.4635, 52.7304, 82.2758

Deuteranopia

54.0083, 52.7722, 87.4603



Tritanopia

46.1858, 53.0387, 72.7690

Trichromacy



Original Color

48.8663, 53.0988, 86.2708

Protanomaly

51.0910, 52.9648, 83.8744

Deuteranomaly

51.9026, 52.6648, 86.7867

Tritanomaly

47.0691, 53.0446, 77.5699

Monochromacy



Original Color

48.8663, 53.0988, 86.2708

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.1217, 51.5026, 65.7972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8663, 53.0988, 86.2708 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(157, 197, 235)` looks like.

```
.text, #text, p{  
    color:rgb(157, 197, 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(157, 197, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 197, 235) }
```

Border

The CSS property to change the border of an element to XYZ 48.8663, 53.0988, 86.2708 is called "border". The border property can be set on classes, ids or directly on the HTML element.

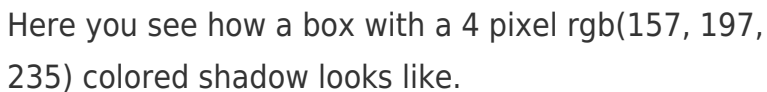
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 197, 235) }
```


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

```
.border{ border-color:rgb(157, 197, 235) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 197, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 197, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 197, 235); box-shadow:4px 4px 4px 4px rgb(157, 197, 235) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8663, 53.0988, 86.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 197, 235) }
```

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

```
.background{ background-color: rgb(157,  
197, 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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