

Converting Colors

XYZ(47.6066, 48.4995, 85.1472)

Have a look what the booklet for
XYZ(47.6066, 48.4995, 85.1472)
contains.

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Color

**XYZ(47.6542, 48.5886,
85.4642)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A4B9EB |
| RGB | 164, 185, 235 |
| RGB Percent | 64%, 73%, 92% |
| CMY | 0.3569, 0.2745, 0.0784 |
| CMYK | 0.30, 0.21, 0.00, 0.08 |
| HSL | 222°, 64%, 78% |
| HSV | 222°, 30%, 92% |
| XYZ | 47.6542, 48.5886, 85.4642 |
| YIQ | 184.4210, -28.5660, 11.0980 |

Conversions

Conversions Part 2

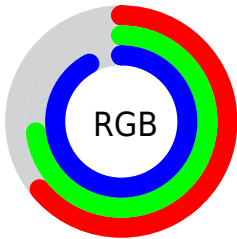
| Format | Color |
|-------------------------------------|--|
| RYB | 164, 180, 235 |
| Decimal | 10795499 |
| CIELab | 75.19, 4.13, -27.26 |
| CIELCh | 75, 27.569, 278.623 |
| Yxy | 48.5886, 0.2623, 0.2674 |
| Android (android.graphics.Color) | 4288985579 (0xFFA4B9EB) |
| YUV | 184.4210, 24.9354, -17.9092 |
| Hunter-Lab | 69.7055, 0.0469, -23.9001 |

Details

The XYZ color **47.6542, 48.5886, 85.4642** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.0092, 68.4363, 44.9066**, and the grayscale version is **45.6717, 48.0502, 52.3266**.

A 20% lighter version of the original color is **79.0205, 85.3462, 106.9164**, and **22.8184, 23.0722, 45.8985** is the 20% darker color. If you saturate the color by 10%, you get **39.9825, 39.7909, 84.1713**, and if you desaturate by 10%, it is **56.6281, 58.6580, 86.9357**.

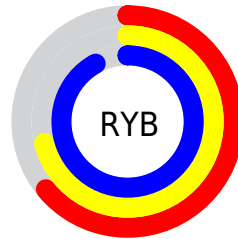
Distribution



Red (64%)

Green (73%)

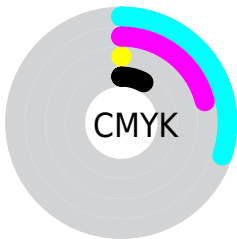
Blue (92%)



Red (64%)

Yellow (71%)

Blue (92%)

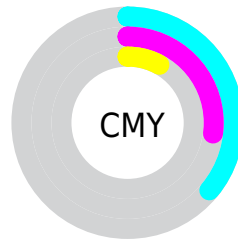


Cyan (30%)

Magenta (21%)

Yellow (0%)

Black (8%)



Cyan (36%)

Magenta (27%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6542, 48.5886, 85.4642 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 47.6542, 48.5886, 85.4642 by changing the saturation by 10% instead.

■ 47.6542, 48.5886,
85.4642

■ 47.6542, 48.5886,
85.4642

368.0253,
381.1205, 533.3474

■ 33.7632, 34.2932,
63.6726

■ 85.9021, 88.0801,
142.9015

■ 22.8738, 23.1190,
45.9411

■ 110.9898,
114.0451, 179.3843

■ 14.6205, 14.6814,
31.8510

140.5404,
144.6687, 221.6012

■ 8.6381, 8.5961,
20.9839

174.9194,
180.3354, 269.9709

■ 4.5611, 4.4787,
12.9211

214.4920,
221.4295, 324.9118

■ 2.0242, 1.9448,
7.2441

259.6236,

■ 0.6475, 0.5751,

268.3355, 386.8425

3.5345

310.6796,
321.4376, 456.1815

■ 0.0000, 0.0000,
1.3736

■ 0.0000, 0.0000,
0.1210

■ 47.6542, 48.5886,
85.4642

■ 47.6542, 48.5886,
85.4642

■ 39.9825, 39.7909,
84.1713

■ 56.6281, 58.6580,
86.9357

■ 33.5450, 32.2062,
83.0465

■ 66.9583, 70.0432,
88.5888

■ 28.2746, 25.7793,
82.0838

■ 78.7012, 82.7928,
90.4308

■ 24.0955, 20.4483,
81.2751

■ 90.7952, 96.3775,
92.4154

■ 20.9219, 16.1444,
80.6116

■ 91.9956, 98.7782,
92.8156

■ 18.6536, 12.7897,
80.0836

■ 17.1552, 10.3176,
79.6855

Harmonies

Analogous

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



42.7299, 48.5886, 83.2801



47.6542, 48.5886, 85.4642



52.5166, 48.5886, 77.7609

Triad

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



47.6542, 48.5886, 85.4642



54.1972, 48.5886, 37.3661



37.7117, 48.5886, 43.3954

Complementary

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



47.6542, 48.5886, 85.4642



65.0092, 68.4363, 44.9066

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.



40.3784, 48.5886, 34.0053



47.6542, 48.5886, 85.4642



49.8152, 48.5886, 30.9915

Square

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



47.6542, 48.5886, 85.4642



56.4707, 48.5886, 48.8412



44.7405, 48.5886, 29.8847



37.2257, 48.5886, 57.1876

Rectangle

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



47.6542, 48.5886, 85.4642



54.9846, 48.5886, 68.7574



44.7405, 48.5886, 29.8847



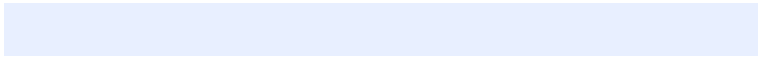
38.3729, 48.5886, 39.6977

Sweetspot

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



47.6558, 48.5905, 85.4653



82.1641, 86.0226, 106.8812



57.1187, 72.1500, 74.3347



17.1689, 17.9560, 22.8109



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.



47.6558, 48.5905, 85.4653



51.6854, 52.0079, 101.9222



46.6783, 42.0393, 84.2523



14.5943, 15.2750, 19.1014



9.6441, 5.9351, 44.3803



0.8383, 0.6280, 3.5119

Inverse Universe

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



56.2947, 47.7174, 52.1443



63.7057, 51.2586, 55.4542



66.1682, 77.4388, 46.5832



15.2488, 15.1274, 16.5954



19.7232, 10.0920, 4.3436



1.5896, 0.8088, 0.5563

Previews

White Background



This preview shows how the XYZ color 47.6542, 48.5886, 85.4642 looks on a white background.

Color Contrast Check

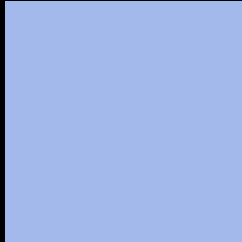
Large Text (above 18pt) WCAG AA × Fail

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 47.6542, 48.5886, 85.4642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

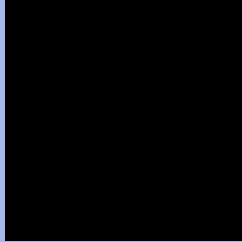
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6542, 48.5886, 85.4642

Background



This preview shows how black text looks on a background with the XYZ color 47.6542, 48.5886, 85.4642.



This preview shows how white text looks on a background with the XYZ color 47.6542, 48.5886,

85.4642.

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

47.6542, 48.5886, 85.4642

Protanopia

48.6547, 48.5208, 83.8919

Deuteranopia

49.5687, 48.3340, 86.0737



Tritanopia

43.5335, 48.5038, 64.8253

Trichromacy



Original Color

47.6542, 48.5886, 85.4642

Protanomaly

48.3540, 48.6565, 84.6850

Deuteranomaly

48.8815, 48.2827, 86.1000

Tritanomaly

44.8751, 48.3979, 71.9423

Monochromacy



Original Color

47.6542, 48.5886, 85.4642

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.0514, 47.9399, 63.3261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6542, 48.5886, 85.4642 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(164, 185, 235)` looks like.

```
.text, #text, p{  
    color:rgb(164, 185, 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(164, 185, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 185, 235) }
```

Border

The CSS property to change the border of an element to XYZ 47.6542, 48.5886, 85.4642 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(164, 185, 235) }
```


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

```
.border{ border-color:rgb(164, 185, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 185, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 185, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 185, 235);  
box-shadow:4px 4px 4px 4px rgb(164, 185,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6542, 48.5886, 85.4642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 185, 235) }
```

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

```
.background{ background-color: rgb(164,  
185, 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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