

Converting Colors

XYZ(48.7286, 53.6610, 89.3575)

Have a look what the booklet for
XYZ(48.7286, 53.6610, 89.3575)
contains.

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Color

**XYZ(48.7659, 53.6582,
89.4482)**

Conversions

Conversions Part 1

Format	Color
Hex	97C7EF
RGB	151, 199, 239
RGB Percent	59%, 78%, 94%
CMY	0.4078, 0.2196, 0.0627
CMYK	0.37, 0.17, 0.00, 0.06
HSL	207°, 73%, 76%
HSV	207°, 37%, 94%
XYZ	48.7659, 53.6582, 89.4482
YIQ	189.2080, -41.4480, 2.2640

Conversions

Conversions Part 2

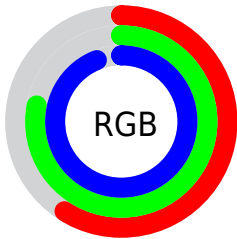
Format	Color
RYB	151, 182, 239
Decimal	9947119
CIELab	78.26, -6.02, -24.79
CIELCh	78, 25.513, 256.345
Yxy	53.6582, 0.2542, 0.2797
Android (android.graphics.Color)	4288137199 (0xFF97C7EF)
YUV	189.2080, 24.5475, -33.5084
Hunter-Lab	73.2518, -9.3578, -21.1232

Details

The XYZ color **48.7659, 53.6582, 89.4482** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.8143, 57.8475, 37.2928**, and the grayscale version is **48.3711, 50.8902, 55.4194**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **23.4965, 26.1565, 48.6101** is the 20% darker color. If you saturate the color by 10%, you get **42.3612, 46.7785, 88.4588**, and if you desaturate by 10%, it is **56.2515, 61.3624, 90.5417**.

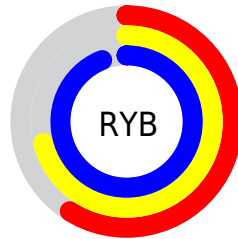
Distribution



Red (59%)

Green (78%)

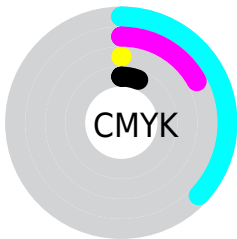
Blue (94%)



Red (59%)

Yellow (71%)

Blue (94%)

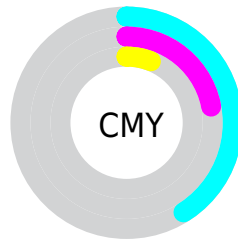


Cyan (37%)

Magenta (17%)

Yellow (0%)

Black (6%)



Cyan (41%)


Magenta (22%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7659, 53.6582, 89.4482 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 48.7659, 53.6582, 89.4482 by changing the saturation by 10% instead.


 48.7659, 53.6582,
89.4482


 48.7659, 53.6582,
89.4482


372.3523,
400.8053, 546.7579

 34.6476, 38.3285,
66.9519


 87.5465, 95.5722,
148.5005

 23.5568, 26.2377,
48.5842


 112.9395,
122.9253, 185.8936

 15.1281, 17.0016,
33.9265


142.8214,
155.0549, 229.0894

 8.9962, 10.2356,
22.5602

177.5575,
192.3455, 278.5065

 4.7958, 5.5555,
14.0669

217.5134,
235.1814, 334.5633

 2.1615, 2.5767,
8.0279

263.0542,

 0.7223, 0.9150,

283.9471, 397.6785

4.0248

314.5454,
339.0269, 468.2705

■ 0.0000, 0.0000,
1.6390

■ 0.0000, 0.0000,
0.3184

■ 48.7659, 53.6582,
89.4482

■ 48.7659, 53.6582,
89.4482

■ 42.3612, 46.7785,
88.4588

■ 56.2515, 61.3624,
90.5417

■ 36.9740, 40.6815,
87.5659

■ 64.8667, 69.9180,
91.7390

■ 32.5415, 35.3305,
86.7667

■ 74.6628, 79.3578,
93.0447

■ 28.9911, 30.6821,
86.0566

■ 85.6868, 89.7110,
94.4621

■ 26.2382, 26.6866,
85.4304

■ 92.0466, 97.9450,
95.7162

■ 24.1761, 23.2827,
84.8821

■ 92.5802, 99.0121,
95.8941

■ 23.6119, 22.2954,
84.7213

Harmonies

Analogous

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



44.6517, 53.6582, 80.6789



48.7659, 53.6582, 89.4482



53.7523, 53.6582, 89.0048

Triad

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



48.7659, 53.6582, 89.4482



60.7864, 53.6582, 51.0183



44.3604, 53.6582, 41.4146

Complementary

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



48.7659, 53.6582, 89.4482



59.8143, 57.8475, 37.2928

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.



48.3442, 53.6582, 35.7992



48.7659, 53.6582, 89.4482



57.9243, 53.6582, 40.6926

Square

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



48.7659, 53.6582, 89.4482



60.9177, 53.6582, 65.1639



53.3024, 53.6582, 35.5585



42.2226, 53.6582, 52.1668

Rectangle

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



48.7659, 53.6582, 89.4482



56.9089, 53.6582, 83.5075



53.3024, 53.6582, 35.5585



45.5159, 53.6582, 38.9465

Sweetspot

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



48.7676, 53.6603, 89.4495



81.5395, 87.1962, 107.1407



52.9903, 72.0575, 60.1768



17.1220, 18.3448, 22.8884



0.0000, 0.0000, 0.0000



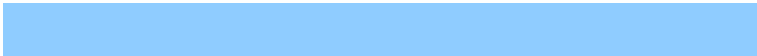
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7676, 53.6603, 89.4495



50.9364, 56.2284, 102.7763



40.1320, 36.3889, 86.5709



15.6118, 16.6577, 20.1140



13.1813, 12.5868, 46.8626



1.1959, 1.2458, 3.9316

Inverse Universe

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



56.9734, 44.6090, 59.6427



61.9318, 45.2046, 62.5891



70.7775, 79.7741, 40.9473



16.1335, 15.9031, 18.2592



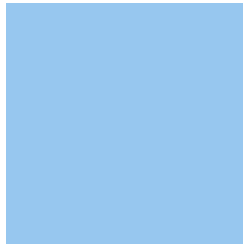
21.9789, 11.0640, 13.0714



1.8786, 0.9405, 1.3514

Previews

White Background



This preview shows how the XYZ color 48.7659, 53.6582, 89.4482 looks on a white background.

Color Contrast Check

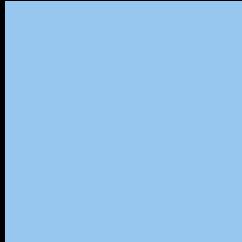
Large Text (above 18pt) WCAG AA × Fail

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 48.7659, 53.6582, 89.4482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

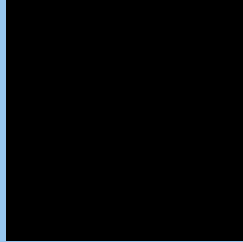
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7659, 53.6582, 89.4482

Background



This preview shows how black text looks on a background with the XYZ color 48.7659, 53.6582, 89.4482.



This preview shows how white text looks on a background with the XYZ color 48.7659, 53.6582,

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

48.7659, 53.6582, 89.4482

Protanopia

53.2492, 53.3925, 85.3411

Deuteranopia

54.5683, 53.3109, 90.6331



Tritanopia

45.7608, 53.4665, 74.9261

Trichromacy



Original Color

48.7659, 53.6582, 89.4482

Protanomaly

51.4454, 53.4104, 86.9546

Deuteranomaly

52.2537, 53.4299, 89.9970

Tritanomaly

46.8269, 53.5602, 79.8216

Monochromacy



Original Color

48.7659, 53.6582, 89.4482

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.0116, 51.7589, 66.4915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7659, 53.6582, 89.4482 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(151, 199, 239)` looks like.

```
.text, #text, p{  
    color:rgb(151, 199, 239)  
}
```

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(151, 199, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 199, 239) }
```

Border

The CSS property to change the border of an element to XYZ 48.7659, 53.6582, 89.4482 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(151, 199, 239) }
```


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

```
.border{ border-color:rgb(151, 199, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 199, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 199, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 199, 239);  
box-shadow:4px 4px 4px 4px rgb(151, 199,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7659, 53.6582, 89.4482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 199, 239) }
```

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

```
.background{ background-color: rgb(151,  
199, 239) }
```

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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