

Converting Colors

XYZ(41.0077, 43.6416, 89.3315)

Have a look what the booklet for
XYZ(41.0077, 43.6416, 89.3315)
contains.

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Color

**XYZ(40.9508, 43.5054,
89.4581)**

Conversions

Conversions Part 1

Format	Color
Hex	7FB4F1
RGB	127, 180, 241
RGB Percent	50%, 71%, 95%
CMY	0.5019, 0.2941, 0.0549
CMYK	0.47, 0.25, 0.00, 0.05
HSL	212°, 80%, 72%
HSV	212°, 47%, 95%
XYZ	40.9508, 43.5054, 89.4581
YIQ	171.1070, -51.1690, 7.7350

Conversions

Conversions Part 2

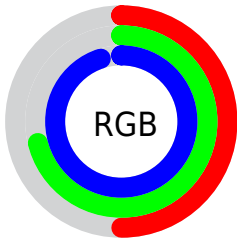
Format	Color
RYB	127, 163, 241
Decimal	8369393
CIELab	71.90, -1.22, -35.77
CIELCh	72, 35.795, 268.039
Yxy	43.5054, 0.2355, 0.2502
Android (android.graphics.Color)	4286559473 (0xFF7FB4F1)
YUV	171.1070, 34.4572, -38.6818
Hunter-Lab	65.9586, -4.6048, -34.2426

Details

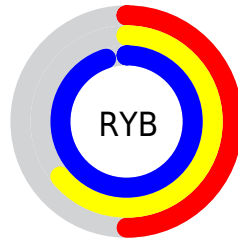
The XYZ color **40.9508, 43.5054, 89.4581** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.0909, 56.2011, 27.8665**, and the grayscale version is **38.6145, 40.6255, 44.2411**.

A 20% lighter version of the original color is **67.8126, 77.4013, 105.9736**, and **18.8006, 19.9467, 48.7581** is the 20% darker color. If you saturate the color by 10%, you get **35.2983, 36.9056, 88.4829**, and if you desaturate by 10%, it is **47.7069, 51.0354, 90.5563**.

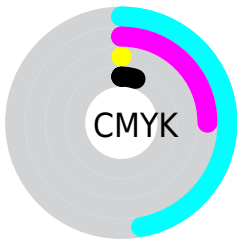
Distribution



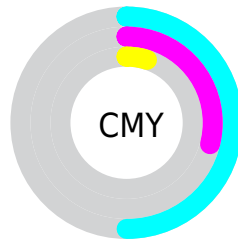
- Red (50%)
- Green (71%)
- Blue (95%)



- Red (50%)
- Yellow (64%)
- Blue (95%)



- Cyan (47%)
- Magenta (25%)
- Yellow (0%)
- Black (5%)



- Cyan (50%)
- Magenta (29%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9508, 43.5054, 89.4581 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 40.9508, 43.5054, 89.4581 by changing the saturation by 10% instead.

■ 40.9508, 43.5054,
89.4581

■ 40.9508, 43.5054,
89.4581

341.1810,
360.6861, 546.7910

■ 28.4681, 30.2819,
66.9601

■ 75.8844, 80.4730,
148.5144

■ 18.8211, 20.0526,
48.5908

■ 99.0660, 104.9858,
185.9097

■ 11.6443, 12.4333,
33.9317

■ 126.5447,
134.0305, 229.1080

■ 6.5724, 7.0395,
22.5642

158.6857,
167.9915, 278.5276

■ 3.2401, 3.4868,
14.0698

195.8546,
207.2532, 334.5872

■ 1.2820, 1.3909,
8.0299

238.4165,

■ 0.1697, 0.2100,

252.1999, 397.7053

4.0260

286.7369,
303.2161, 468.3004

■ 0.0000, 0.0000,
1.6396

■ 0.0000, 0.0000,
0.3189

■ 40.9508, 43.5054,
89.4581

■ 40.9508, 43.5054,
89.4581

■ 35.2983, 36.9056,
88.4829

■ 47.7069, 51.0354,
90.5563

■ 30.6761, 31.1859,
87.6225

■ 55.6244, 59.5323,
91.7790

■ 27.0082, 26.2978,
86.8724

■ 64.7623, 69.0363,
93.1319

■ 24.2046, 22.1843,
86.2261

■ 75.1739, 79.5836,
94.6190

■ 22.1494, 18.7743,
85.6763

■ 86.9093, 91.2086,
96.2443

■ 21.6763, 17.9489,
85.5419

■ 92.8773, 99.1309,
97.4589

Harmonies

Analogous

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



35.4517, 43.5054, 81.9353



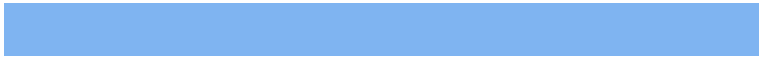
40.9508, 43.5054, 89.4581



47.1082, 43.5054, 83.6016

Triad

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



40.9508, 43.5054, 89.4581



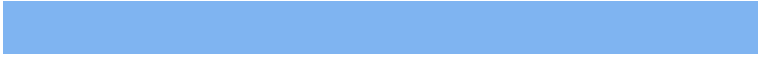
52.5818, 43.5054, 33.2787



32.1828, 43.5054, 31.7311

Complementary

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



40.9508, 43.5054, 89.4581



58.0909, 56.2011, 27.8665

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.



36.0823, 43.5054, 23.4909



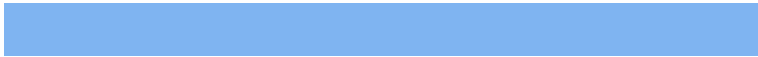
40.9508, 43.5054, 89.4581



47.8700, 43.5054, 24.2179

Square

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



40.9508, 43.5054, 89.4581



54.2048, 43.5054, 48.5279



41.7529, 43.5054, 21.1195



30.7084, 43.5054, 46.2306

Rectangle

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



40.9508, 43.5054, 89.4581



50.6923, 43.5054, 73.5439



41.7529, 43.5054, 21.1195



33.2334, 43.5054, 28.2848

Sweetspot

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



40.9523, 43.5070, 89.4591



77.3197, 82.2584, 106.4100



49.2646, 71.0459, 58.5823



16.0206, 17.0670, 22.6998



0.0000, 0.0000, 0.0000



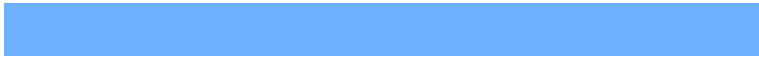
20.3446, 21.4041, 23.3091

Same Dimension

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



40.9523, 43.5070, 89.4591



40.2035, 42.0457, 100.6044



32.7972, 26.3407, 86.5755



15.5030, 16.4401, 20.0778



11.8866, 9.9974, 46.4311



1.0875, 1.0289, 3.8955

Inverse Universe

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



52.1045, 37.1764, 47.6111



54.7365, 35.5198, 45.6836



70.2789, 82.4828, 32.2970



16.0786, 15.8811, 17.9700



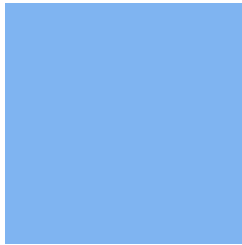
21.3254, 10.8026, 9.6301



1.8238, 0.9186, 1.0632

Previews

White Background



This preview shows how the XYZ color 40.9508, 43.5054, 89.4581 looks on a white background.

Color Contrast Check

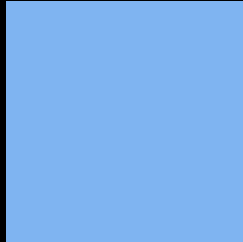
Large Text (above 18pt) WCAG AA × Fail

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 40.9508, 43.5054, 89.4581 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

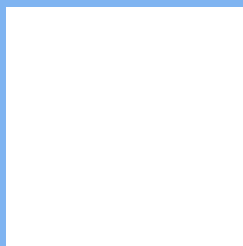
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9508, 43.5054, 89.4581

Background



This preview shows how black text looks on a background with the XYZ color 40.9508, 43.5054, 89.4581.



This preview shows how white text looks on a background with the XYZ color 40.9508, 43.5054,

89.4581.

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

40.9508, 43.5054, 89.4581

Protanopia

44.1844, 43.2124, 85.3689

Deuteranopia

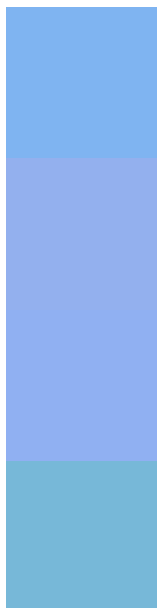
44.2970, 43.1680, 90.0019



Tritanopia

35.5012, 43.4498, 62.3926

Trichromacy



Original Color

40.9508, 43.5054, 89.4581

Protanomaly

42.9906, 43.4268, 87.0053

Deuteranomaly

43.0539, 43.3908, 90.1105

Tritanomaly

37.1429, 43.1608, 71.3390

Monochromacy



Original Color

40.9508, 43.5054, 89.4581

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.6174, 41.2262, 58.1466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9508, 43.5054, 89.4581 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(127, 180, 241)` looks like.

```
.text, #text, p{  
    color:rgb(127, 180, 241)  
}
```

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(127, 180, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 180, 241) }
```

Border

The CSS property to change the border of an element to XYZ 40.9508, 43.5054, 89.4581 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(127, 180, 241) }
```


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

```
.border{ border-color:rgb(127, 180, 241) }
```

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

Here you see how a box with a 4 pixel rgb(127, 180, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 180, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 180, 241);  
box-shadow:4px 4px 4px 4px rgb(127, 180,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9508, 43.5054, 89.4581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 180, 241) }
```

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

```
.background{ background-color: rgb(127,  
180, 241) }
```

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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