

Converting Colors

XYZ(45.1007, 52.3914, 93.9616)

Have a look what the booklet for
XYZ(45.1007, 52.3914, 93.9616)
contains.

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Color

**XYZ(45.1138, 52.3589,
94.1147)**

Conversions

Conversions Part 1

Format	Color
Hex	78C9F5
RGB	120, 201, 245
RGB Percent	47%, 79%, 96%
CMY	0.5294, 0.2118, 0.0392
CMYK	0.51, 0.18, 0.00, 0.04
HSL	201°, 86%, 72%
HSV	201°, 51%, 96%
XYZ	45.1138, 52.3589, 94.1147
YIQ	181.7970, -62.4000, -3.4880

Conversions

Conversions Part 2

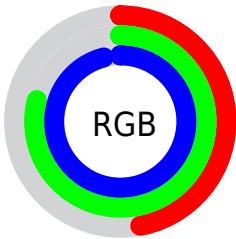
Format	Color
R _Y B	120, 169, 245
Decimal	7916021
CIE Lab	77.49, -12.97, -29.32
CIE LCh	77, 32.057, 246.136
Yxy	52.3589, 0.2355, 0.2733
Android (android.graphics.Color)	4286106101 (0xFF78C9F5)
YUV	181.7970, 31.1591, -54.1960
Hunter-Lab	72.3594, -15.3400, -26.4642

Details

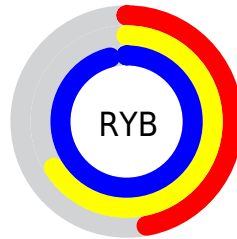
The XYZ color **45.1138, 52.3589, 94.1147** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.3233, 47.3213, 24.0420**, and the grayscale version is **44.2149, 46.5175, 50.6575**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **21.3639, 25.4411, 51.9287** is the 20% darker color. If you saturate the color by 10%, you get **40.1866, 46.9187, 93.3253**, and if you desaturate by 10%, it is **51.0264, 58.4769, 94.9849**.

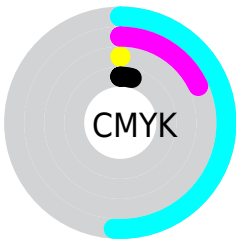
Distribution



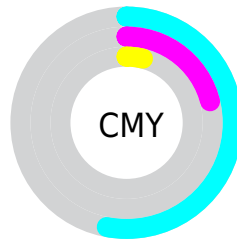
- Red (47%)
- Green (79%)
- Blue (96%)



- Red (47%)
- Yellow (66%)
- Blue (96%)



- Cyan (51%)
- Magenta (18%)
- Yellow (0%)
- Black (4%)



- Cyan (53%)
- Magenta (21%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1138, 52.3589, 94.1147 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 45.1138, 52.3589, 94.1147 by changing the saturation by 10% instead.

■ 45.1138, 52.3589,
94.1147

■ 45.1138, 52.3589,
94.1147

358.0102,
395.8206, 562.2387

■ 31.7487, 37.2912,
70.8055

■ 82.1272, 93.6603,
155.0260

■ 21.3243, 25.4331,
51.7027

■ 106.5062,
120.6629, 193.4652

■ 13.4750, 16.4000,
36.3875

■ 135.2872,
152.4125, 237.7849

■ 7.8357, 9.8076,
24.4416

168.8356,
189.2936, 288.4035

■ 4.0409, 5.2716,
15.4463

207.5168,
231.6905, 345.7397

■ 1.7253, 2.4075,
8.9831

251.6960,

■ 0.4720, 0.8297,

279.9878, 410.2119

4.6335

301.7387,
334.5697, 482.2387

■ 0.0000, 0.0000,
1.9789

■ 0.0000, 0.0000,
0.5423

■ 45.1138, 52.3589,
94.1147

■ 45.1138, 52.3589,
94.1147

■ 40.1866, 46.9187,
93.3253

■ 51.0264, 58.4769,
94.9849

■ 36.1702, 42.1117,
92.6092

■ 57.9817, 65.3015,
95.9356

■ 32.9867, 37.8963,
91.9633

■ 66.0382, 72.8666,
96.9712

■ 30.5412, 34.2204,
91.3827

■ 75.2484, 81.2019,
98.0947

■ 28.8387, 31.3068,
90.9100

■ 85.6614, 90.3351,
99.3087

■ 92.7671, 97.9436,
100.4028

■ 93.4816, 99.3726,
100.6410

Harmonies

Analogous

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



40.7771, 52.3589, 79.5115



45.1138, 52.3589, 94.1147



51.0458, 52.3589, 97.9553

Triad

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



45.1138, 52.3589, 94.1147



62.5323, 52.3589, 53.4511



43.0855, 52.3589, 33.7163

Complementary

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



45.1138, 52.3589, 94.1147



54.3233, 47.3213, 24.0420

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.



48.5069, 52.3589, 29.4382



45.1138, 52.3589, 94.1147



59.9864, 52.3589, 39.2128

Square

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



45.1138, 52.3589, 94.1147



61.4357, 52.3589, 71.9071



54.7266, 52.3589, 31.2191



39.6756, 52.3589, 44.3270

Rectangle

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



45.1138, 52.3589, 94.1147



55.1825, 52.3589, 93.3208



54.7266, 52.3589, 31.2191



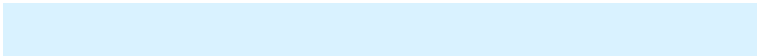
44.7152, 52.3589, 31.6022

Sweetspot

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



45.1155, 52.3608, 94.1160



78.2052, 85.1619, 106.9238



47.0780, 71.9705, 46.4162



16.2835, 17.8157, 22.8305



0.0000, 0.0000, 0.0000



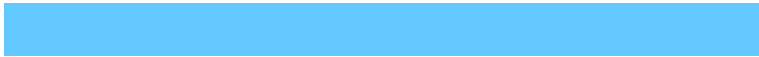
20.3446, 21.4041, 23.3091

Same Dimension

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



45.1155, 52.3608, 94.1160



43.9563, 51.3209, 102.1969



33.4254, 28.9806, 90.2192



16.4772, 17.7188, 21.0942



15.6708, 17.1354, 49.0196



1.4736, 1.6987, 4.3405

Inverse Universe

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



54.9168, 37.0643, 59.5199



56.1988, 34.4509, 58.4825



68.3120, 75.2987, 28.7049



16.9515, 16.6634, 19.4910



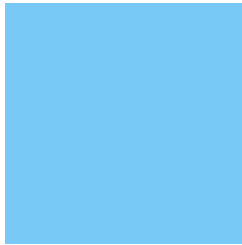
23.7144, 11.8292, 19.0023



2.1329, 1.0591, 1.9262

Previews

White Background



This preview shows how the XYZ color 45.1138, 52.3589, 94.1147 looks on a white background.

Color Contrast Check

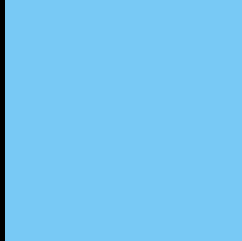
Large Text (above 18pt) WCAG AA × Fail

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 45.1138, 52.3589, 94.1147 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

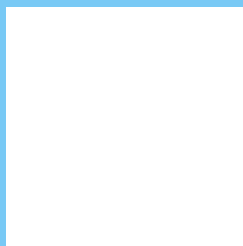
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.1138, 52.3589, 94.1147

Background



This preview shows how black text looks on a background with the XYZ color 45.1138, 52.3589, 94.1147.



This preview shows how white text looks on a background with the XYZ color 45.1138, 52.3589,

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

45.1138, 52.3589, 94.1147

Protanopia

51.9283, 52.0350, 86.6637

Deuteranopia

53.0737, 51.7829, 96.0048



Tritanopia

41.6982, 52.3813, 77.0201

Trichromacy



Original Color

45.1138, 52.3589, 94.1147

Protanomaly

48.7505, 51.6410, 89.0596

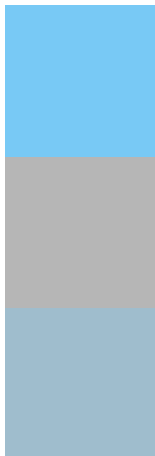
Deuteranomaly

49.5428, 51.5828, 95.3410

Tritanomaly

42.9460, 52.5437, 82.7414

Monochromacy



Original Color

45.1138, 52.3589, 94.1147

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.5151, 48.1739, 64.7626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1138, 52.3589, 94.1147 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(120, 201, 245)` looks like.

```
.text, #text, p{  
    color:rgb(120, 201, 245)  
}
```

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(120, 201, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 201, 245) }
```

Border

The CSS property to change the border of an element to XYZ 45.1138, 52.3589, 94.1147 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(120, 201, 245) }
```


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

```
.border{ border-color:rgb(120, 201, 245) }
```

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

Here you see how a box with a 4 pixel rgb(120, 201, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 201, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 201, 245);  
box-shadow:4px 4px 4px 4px rgb(120, 201,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1138, 52.3589, 94.1147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 201, 245) }
```

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

```
.background{ background-color: rgb(120,  
201, 245) }
```

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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