

Converting Colors

XYZ(50.4798, 54.0764, 89.1704)

Have a look what the booklet for
XYZ(50.4798, 54.0764, 89.1704)
contains.

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Color

**XYZ(50.6744, 54.3015,
89.4718)**

Conversions

Conversions Part 1

Format	Color
Hex	A2C6EF
RGB	162, 198, 239
RGB Percent	64%, 78%, 94%
CMY	0.3647, 0.2235, 0.0627
CMYK	0.32, 0.17, 0.00, 0.06
HSL	212°, 71%, 79%
HSV	212°, 32%, 94%
XYZ	50.6744, 54.3015, 89.4718
YIQ	191.9100, -34.6170, 5.1190

Conversions

Conversions Part 2

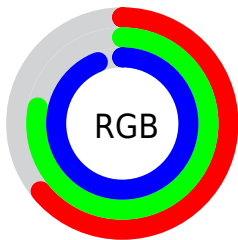
Format	Color
R _Y B	162, 187, 239
Decimal	10667759
CIE Lab	78.64, -2.49, -24.16
CIE LCh	79, 24.289, 264.128
Yxy	54.3015, 0.2606, 0.2793
Android (android.graphics.Color)	4288857839 (0xFFA2C6EF)
YUV	191.9100, 23.2154, -26.2311
Hunter-Lab	73.6896, -6.2069, -20.4056

Details

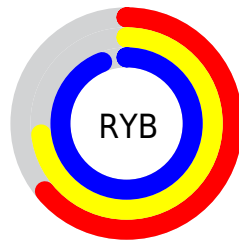
The XYZ color **50.6744, 54.3015, 89.4718** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.4753, 63.6723, 43.1287**, and the grayscale version is **49.9352, 52.5357, 57.2114**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **24.7048, 26.5536, 48.6230** is the 20% darker color. If you saturate the color by 10%, you get **43.4857, 46.4585, 88.3378**, and if you desaturate by 10%, it is **59.0336, 63.1133, 90.7330**.

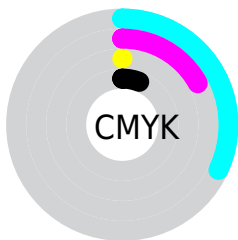
Distribution



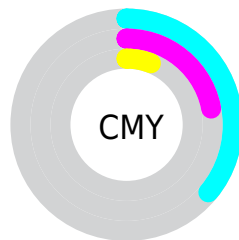
- Red (64%)
- Green (78%)
- Blue (94%)



- Red (64%)
- Yellow (73%)
- Blue (94%)



- Cyan (32%)
- Magenta (17%)
- Yellow (0%)
- Black (6%)



- Cyan (36%)
- Magenta (22%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6744, 54.3015, 89.4718 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 50.6744, 54.3015, 89.4718 by changing the saturation by 10% instead.

■ 50.6744, 54.3015,
89.4718

■ 50.6744, 54.3015,
89.4718

379.7060,
403.2587, 546.8368

■ 36.1695, 38.8428,
66.9714

■ 90.3592, 96.5168,
148.5336

■ 24.7359, 26.6374,
48.5999

■ 116.2698,
124.0421, 185.9320

■ 16.0081, 17.3011,
33.9389

146.7130,
156.3584, 229.1336

■ 9.6207, 10.4494,
22.5697

182.0542,
193.8502, 278.5568

■ 5.2086, 5.6979,
14.0738

222.6588,
236.9016, 334.6202

■ 2.4062, 2.6623,
8.0327

268.8920,

■ 0.8482, 0.9581,

285.8973, 397.7423

4.0278

321.1193,
341.2215, 468.3417

■ 0.0000, 0.0000,
1.6406

■ 0.0000, 0.0000,
0.3195

■ 50.6744, 54.3015,
89.4718

■ 50.6744, 54.3015,
89.4718

■ 43.4857, 46.4585,
88.3378

■ 59.0336, 63.1133,
90.7330

■ 37.4039, 39.5388,
87.3227

■ 68.6122, 72.9238,
92.1218

■ 32.3669, 33.5024,
86.4230

■ 79.4623, 83.7695,
93.6434

■ 28.3036, 28.3031,
85.6336

■ 90.6670, 95.1857,
95.2563

■ 25.1327, 23.8890,
84.9487

■ 92.5802, 99.0121,
95.8941

■ 22.7576, 20.1996,
84.3618

■ 21.3461, 17.7639,
83.9660

Harmonies

Analogous

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



46.3958, 54.3015, 83.2055



50.6744, 54.3015, 89.4718



55.4731, 54.3015, 86.6443

Triad

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



50.6744, 54.3015, 89.4718



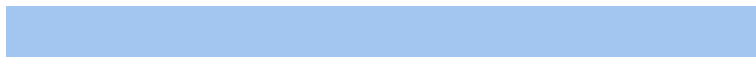
60.4915, 54.3015, 48.9754



44.4958, 54.3015, 44.9632

Complementary

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



50.6744, 54.3015, 89.4718



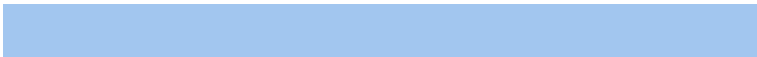
63.4753, 63.6723, 43.1287

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.



47.9343, 54.3015, 38.1533



50.6744, 54.3015, 89.4718



57.2051, 54.3015, 40.2064

Square

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



50.6744, 54.3015, 89.4718



61.3370, 54.3015, 61.8679



52.5610, 54.3015, 36.5571



42.9733, 54.3015, 56.4645

Rectangle

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



50.6744, 54.3015, 89.4718



58.3009, 54.3015, 80.1748



52.5610, 54.3015, 36.5571



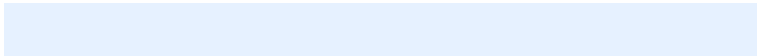
45.4552, 54.3015, 42.1255

Sweetspot

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



50.6761, 54.3036, 89.4731



82.1034, 87.1213, 107.0965



56.4033, 73.6696, 66.9912



17.2100, 18.2812, 22.8715



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.



50.6761, 54.3036, 89.4731



52.8050, 56.5064, 102.7314



43.6643, 39.8909, 87.0607



15.5065, 16.4472, 20.0789



11.9250, 10.0742, 46.4439



1.0908, 1.0355, 3.8966

Inverse Universe

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



58.7115, 48.2703, 59.6509



63.7194, 49.1527, 62.0355



72.5541, 82.4709, 46.2787



16.0804, 15.8819, 17.9794



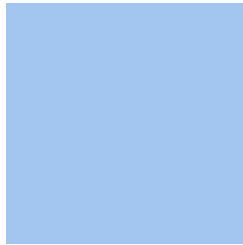
21.3448, 10.8103, 9.7322



1.8255, 0.9192, 1.0720

Previews

White Background



This preview shows how the XYZ color 50.6744, 54.3015, 89.4718 looks on a white background.

Color Contrast Check

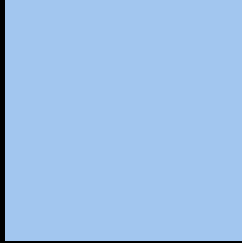
Large Text (above 18pt) WCAG AA × Fail

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 50.6744, 54.3015, 89.4718 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

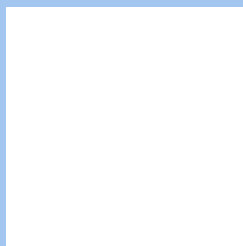
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.6744, 54.3015, 89.4718

Background



This preview shows how black text looks on a background with the XYZ color 50.6744, 54.3015, 89.4718.



This preview shows how white text looks on a background with the XYZ color 50.6744, 54.3015,

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

50.6744, 54.3015, 89.4718

Protanopia

53.8526, 54.0117, 86.1842

Deuteranopia

55.2769, 53.9966, 90.7281



Tritanopia

47.6800, 54.4711, 74.3306

Trichromacy



Original Color

50.6744, 54.3015, 89.4718

Protanomaly

52.5636, 53.9868, 87.0070

Deuteranomaly

53.3885, 54.0149, 90.0501

Tritanomaly

48.9122, 54.6352, 79.9192

Monochromacy



Original Color

50.6744, 54.3015, 89.4718

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.8565, 53.0108, 67.9260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6744, 54.3015, 89.4718 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(162, 198, 239)` looks like.

```
.text, #text, p{  
    color:rgb(162, 198, 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(162, 198, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 198, 239) }
```

Border

The CSS property to change the border of an element to XYZ 50.6744, 54.3015, 89.4718 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(162, 198, 239) }
```


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

```
.border{ border-color:rgb(162, 198, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 198, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 198, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 198, 239);  
box-shadow:4px 4px 4px 4px rgb(162, 198,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6744, 54.3015, 89.4718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 198, 239) }
```

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

```
.background{ background-color: rgb(162,  
198, 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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