

Converting Colors

XYZ(46.9416, 54.0962, 97.5135)

Have a look what the booklet for
XYZ(46.9416, 54.0962, 97.5135)
contains.

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Color

**XYZ(46.9123, 53.9114,
97.5559)**

Conversions

Conversions Part 1

Format	Color
Hex	7DCBF9
RGB	125, 203, 249
RGB Percent	49%, 80%, 98%
CMY	0.5098, 0.2039, 0.0235
CMYK	0.50, 0.18, 0.00, 0.02
HSL	202°, 91%, 73%
HSV	202°, 50%, 98%
XYZ	46.9123, 53.9114, 97.5559
YIQ	184.9220, -61.2540, -2.2300

Conversions

Conversions Part 2

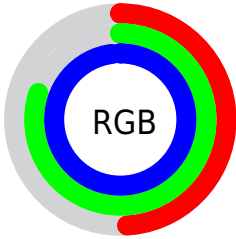
Format	Color
R _{YB}	125, 173, 249
Decimal	8244217
CIE Lab	78.41, -11.80, -30.03
CIE LCh	78, 32.268, 248.553
Yxy	53.9114, 0.2365, 0.2718
Android (android.graphics.Color)	4286434297 (0xFF7DCBF9)
YUV	184.9220, 31.5905, -52.5516
Hunter-Lab	73.4244, -14.4455, -27.3791

Details

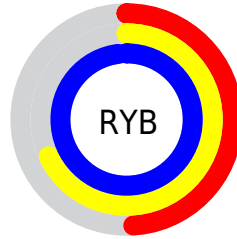
The XYZ color **46.9123, 53.9114, 97.5559** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.3331, 50.7482, 26.1777**, and the grayscale version is **45.9268, 48.3185, 52.6189**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **22.3762, 26.3907, 53.7837** is the 20% darker color. If you saturate the color by 10%, you get **41.6061, 48.0345, 96.7022**, and if you desaturate by 10%, it is **53.2631, 60.5219, 98.4981**.

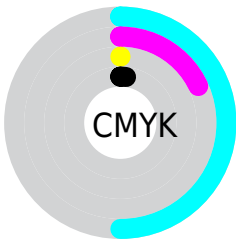
Distribution



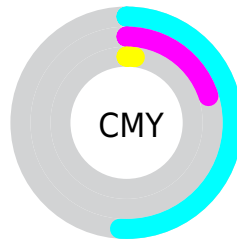
- Red (49%)
- Green (80%)
- Blue (98%)



- Red (49%)
- Yellow (68%)
- Blue (98%)



- Cyan (50%)
- Magenta (18%)
- Yellow (0%)
- Black (2%)



- Cyan (51%)
- Magenta (20%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9123, 53.9114, 97.5559 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 46.9123, 53.9114, 97.5559 by changing the saturation by 10% instead.

■ 46.9123, 53.9114,
97.5559

■ 46.9123, 53.9114,
97.5559

365.1191,
401.7721, 573.5075

■ 33.1740, 38.5308,
73.6555

■ 84.8022, 95.9441,
159.8168

■ 22.4196, 26.3949,
54.0170

■ 109.6846,
123.3651, 199.0144

■ 14.2839, 17.1193,
38.2220

■ 139.0123,
155.5683, 244.1481

■ 8.4014, 10.3196,
25.8519

173.1508,
192.9382, 295.6365

■ 4.4068, 5.6114,
16.4881

212.4653,
235.8591, 353.8981

■ 1.9348, 2.6102,
9.7121

257.3213,

■ 0.5969, 0.9318,

284.7155, 419.3514

5.1054

308.0841,
339.8916, 492.4150

■ 0.0000, 0.0000,
2.2494

■ 0.0000, 0.0000,
0.7027

■ 46.9123, 53.9114,
97.5559

■ 46.9123, 53.9114,
97.5559

■ 41.6061, 48.0345,
96.7022

■ 53.2631, 60.5219,
98.4981

■ 37.2674, 42.8449,
95.9292

■ 60.7175, 67.8965,
99.5287

■ 33.8164, 38.2992,
95.2337

■ 69.3362, 76.0707,
100.6522

■ 31.1562, 34.3438,
94.6104

■ 79.1737, 85.0757,
101.8718

■ 29.1315, 30.8951,
94.0515

■ 90.2809, 94.9407,
103.1906

■ 29.0935, 30.8286,
94.0406

■ 94.0991, 99.6196,
103.8925

Harmonies

Analogous

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



42.2877, 53.9114, 83.2558



46.9123, 53.9114, 97.5559



53.0755, 53.9114, 100.4304

Triad

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



46.9123, 53.9114, 97.5559



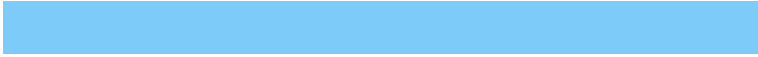
64.2647, 53.9114, 53.6600



44.0136, 53.9114, 35.4139

Complementary

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



46.9123, 53.9114, 97.5559



57.3331, 50.7482, 26.1777

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.



49.4496, 53.9114, 30.5044



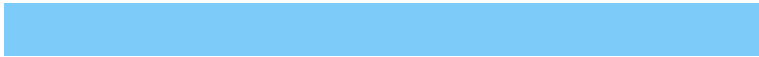
46.9123, 53.9114, 97.5559



61.3768, 53.9114, 39.5209

Square

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



46.9123, 53.9114, 97.5559



63.4443, 53.9114, 72.4119



55.8285, 53.9114, 31.8348



40.7127, 53.9114, 46.8391

Rectangle

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



46.9123, 53.9114, 97.5559



57.2909, 53.9114, 95.0126



55.8285, 53.9114, 31.8348



45.6330, 53.9114, 33.0664

Sweetspot

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



46.9141, 53.9134, 97.5572



77.9902, 84.7319, 106.8521



49.6347, 75.0327, 50.1309



16.2316, 17.7119, 22.8132



0.0000, 0.0000, 0.0000



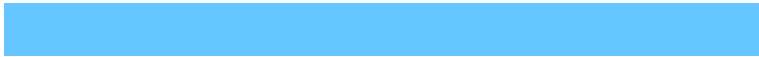
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9141, 53.9134, 97.5572



43.7790, 50.5437, 102.0563



35.1619, 30.4091, 93.6398



17.1930, 18.4628, 22.0428



15.7138, 16.7831, 50.3848



1.5568, 1.7573, 4.7003

Inverse Universe

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



57.1816, 39.1207, 61.0391



56.2124, 34.8511, 57.3368



71.7581, 79.5981, 30.9860



17.7040, 17.4089, 20.2968



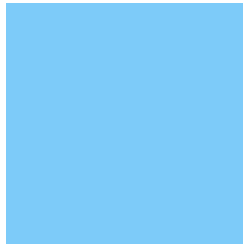
24.2236, 12.1052, 18.4178



2.2947, 1.1416, 1.9754

Previews

White Background



This preview shows how the XYZ color 46.9123, 53.9114, 97.5559 looks on a white background.

Color Contrast Check

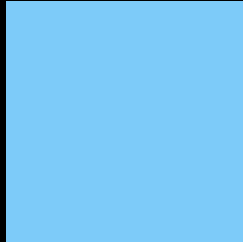
Large Text (above 18pt) WCAG AA × Fail

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 46.9123, 53.9114, 97.5559 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

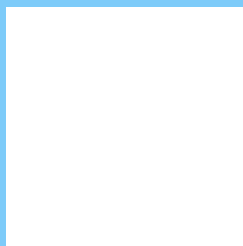
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9123, 53.9114, 97.5559

Background



This preview shows how black text looks on a background with the XYZ color 46.9123, 53.9114, 97.5559.



This preview shows how white text looks on a background with the XYZ color 46.9123, 53.9114,

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

46.9123, 53.9114, 97.5559

Protanopia

53.4150, 53.3766, 89.9255

Deuteranopia

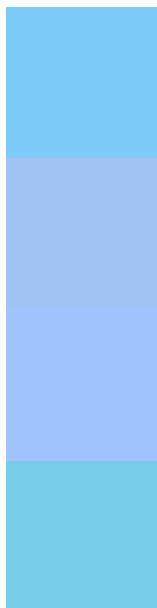
54.8065, 53.5585, 99.5447



Tritanopia

43.1035, 53.7894, 78.6316

Trichromacy



Original Color

46.9123, 53.9114, 97.5559

Protanomaly

50.3907, 53.0783, 92.3833

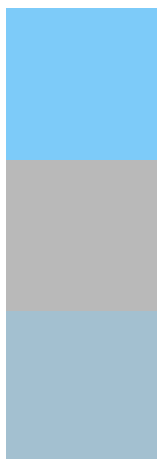
Deuteranomaly

51.4249, 53.4688, 98.8769

Tritanomaly

44.5250, 54.0189, 85.1708

Monochromacy



Original Color

46.9123, 53.9114, 97.5559

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.3391, 50.0399, 66.9435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9123, 53.9114, 97.5559 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(125, 203, 249)` looks like.

```
.text, #text, p{  
    color:rgb(125, 203, 249)  
}
```

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(125, 203, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 203, 249) }
```

Border

The CSS property to change the border of an element to XYZ 46.9123, 53.9114, 97.5559 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(125, 203, 249) }
```


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

```
.border{ border-color:rgb(125, 203, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 203, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 203, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 203, 249);  
box-shadow:4px 4px 4px 4px rgb(125, 203,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9123, 53.9114, 97.5559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 203, 249) }
```

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

```
.background{ background-color: rgb(125,  
203, 249) }
```

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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