

Converting Colors

XYZ(50.1926, 60.0377,
103.5507)

Have a look what the booklet for
XYZ(50.1926, 60.0377, 103.5507)
contains.

XYZ(50.0962, 59.8139, 103.5126)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.0962, 59.8139,
103.5126)**

Conversions

Conversions Part 1

Format	Color
Hex	78D7FF
RGB	120, 215, 255
RGB Percent	47%, 84%, 100%
CMY	0.5294, 0.1569, 0.0000
CMYK	0.53, 0.16, 0.00, 0.00
HSL	198°, 100%, 74%
HSV	198°, 53%, 100%
XYZ	50.0962, 59.8139, 103.5126
YIQ	191.1550, -69.4600, -7.7000

Conversions

Conversions Part 2

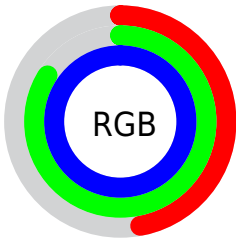
Format	Color
R _Y B	120, 176, 255
Decimal	7919615
CIE Lab	81.74, -17.39, -28.14
CIE LCh	82, 33.085, 238.283
Yxy	59.8139, 0.2347, 0.2803
Android (android.graphics.Color)	4286109695 (0xFF78D7FF)
YUV	191.1550, 31.4756, -62.4029
Hunter-Lab	77.3394, -19.7216, -25.2173

Details

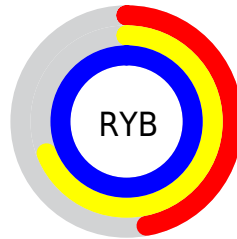
The XYZ color **50.0962, 59.8139, 103.5126** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.2021, 47.7592, 23.9751**, and the grayscale version is **49.4650, 52.0410, 56.6726**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **24.3394, 30.0311, 57.9398** is the 20% darker color. If you saturate the color by 10%, you get **45.1397, 54.4695, 102.7423**, and if you desaturate by 10%, it is **56.0865, 65.8256, 104.3573**.

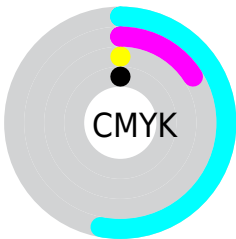
Distribution



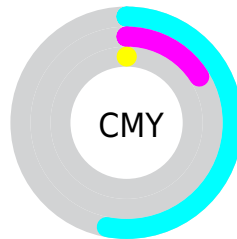
- Red (47%)
- Green (84%)
- Blue (100%)



- Red (47%)
- Yellow (69%)
- Blue (100%)



- Cyan (53%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0962, 59.8139, 103.5126 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 50.0962, 59.8139, 103.5126 by changing the saturation by 10% instead.

■ 50.0962, 59.8139,
103.5126

■ 50.0962, 59.8139,
103.5126

377.4878,
423.9115, 592.7392

■ 35.7080, 43.2686,
78.6041

■ 89.5084, 104.5597,
168.0698

■ 24.3778, 30.0960,
58.0510

■ 115.2630,
133.5290, 208.5556

■ 15.7404, 19.9114,
41.4347

■ 145.5371,
167.4084, 255.0709

■ 9.4303, 12.3307,
28.3366

180.6961,
206.5824, 308.0343

■ 5.0822, 6.9693,
18.3383

221.1053,
251.4353, 367.8643

■ 2.3308, 3.4429,
11.0212

267.1301,

■ 0.8104, 1.3671,

302.3515, 434.9794

5.9667

319.1358,
359.7154, 509.7982

■ 0.0000, 0.1923,
2.7564

■ 0.0000, 0.0000,
0.9716

■ 50.0962, 59.8139,
103.5126

■ 50.0962, 59.8139,
103.5126

■ 45.1397, 54.4695,
102.7423

■ 56.0865, 65.8256,
104.3573

■ 41.1341, 49.7442,
102.0413

■ 63.1746, 72.5357,
105.2789

■ 37.9914, 45.5921,
101.4055

■ 71.4254, 79.9805,
106.2810

■ 35.6029, 41.9553,
100.8295

■ 80.8967, 88.1915,
107.3667

■ 34.2597, 39.6394,
100.4532

■ 91.6427, 97.1981,
108.5388

95.0500, 100.0000,
108.9000

Harmonies

Analogous

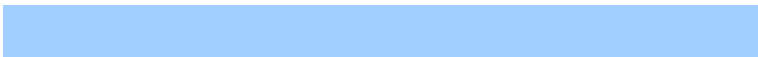
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.8528, 59.8139, 85.0470



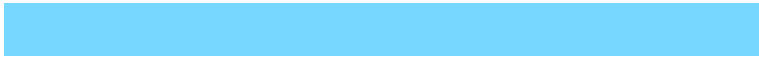
50.0962, 59.8139, 103.5126



56.4509, 59.8139, 111.4882

Triad

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



50.0962, 59.8139, 103.5126



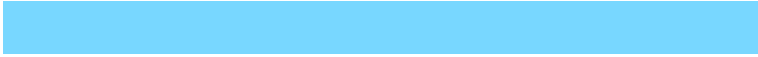
71.3184, 59.8139, 66.2834



50.7379, 59.8139, 36.8499

Complementary

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



50.0962, 59.8139, 103.5126



57.2021, 47.7592, 23.9751

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.



57.2536, 59.8139, 33.8161



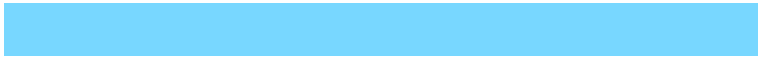
50.0962, 59.8139, 103.5126



69.4814, 59.8139, 48.5893

Square

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



50.0962, 59.8139, 103.5126



69.0236, 59.8139, 87.4478



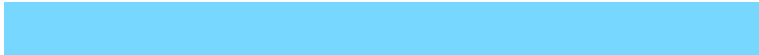
64.1879, 59.8139, 37.6419



46.2014, 59.8139, 46.9699

Rectangle

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



50.0962, 59.8139, 103.5126



61.1577, 59.8139, 108.7642



64.1879, 59.8139, 37.6419



52.7520, 59.8139, 35.0712

Sweetspot

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



50.0979, 59.8160, 103.5130



77.8641, 85.5944, 107.0252



49.7002, 77.9910, 44.8973



16.2439, 17.9559, 22.8596



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.



50.0979, 59.8160, 103.5130



44.6708, 53.9392, 102.6646



36.5846, 32.7894, 99.0085



18.0737, 19.5191, 23.0649



18.0377, 20.9849, 52.5344



1.8514, 2.2336, 5.1468

Inverse Universe

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



60.2235, 39.6011, 68.7617



56.2691, 33.3674, 62.2795



71.7594, 76.8739, 28.8276



18.5499, 18.2033, 21.5127



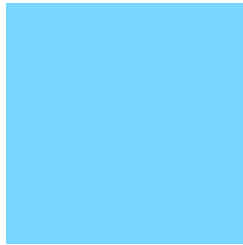
25.8928, 12.8464, 23.8836



2.5691, 1.2700, 2.5784

Previews

White Background



This preview shows how the XYZ color 50.0962, 59.8139, 103.5126 looks on a white background.

Color Contrast Check

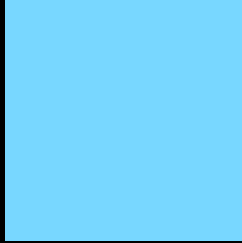
Large Text (above 18pt) WCAG AA × Fail

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 50.0962, 59.8139, 103.5126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

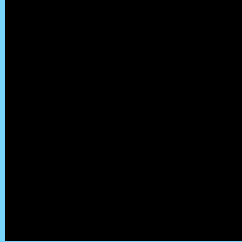
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

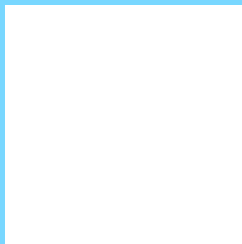
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0962, 59.8139, 103.5126

Background



This preview shows how black text looks on a background with the XYZ color 50.0962, 59.8139, 103.5126.

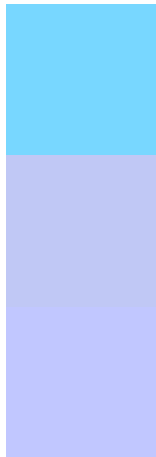


This preview shows how white text looks on a background with the XYZ color 50.0962, 59.8139,

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

50.0962, 59.8139, 103.5126

Protanopia

58.8739, 59.1076, 94.6921

Deuteranopia

60.4657, 59.4043, 102.8870



Tritanopia

47.0218, 59.7096, 88.4037

Trichromacy



Original Color

50.0962, 59.8139, 103.5126

Protanomaly

54.6561, 58.6092, 98.0546

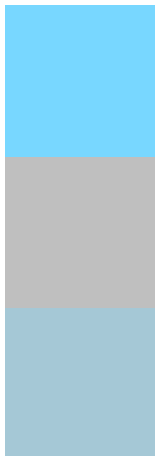
Deuteranomaly

55.6072, 58.9896, 103.0631

Tritanomaly

48.1930, 59.8098, 93.7984

Monochromacy



Original Color

50.0962, 59.8139, 103.5126

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.3089, 54.1629, 71.5267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0962, 59.8139, 103.5126 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, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 215, 255)  
}
```

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, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 215, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.0962, 59.8139, 103.5126 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, 215, 255) }
```


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

```
.border{ border-color:rgb(120, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 215, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 215, 255); box-shadow:4px 4px 4px 4px rgb(120, 215, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0962, 59.8139, 103.5126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 215, 255) }
```

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

```
.background{ background-color: rgb(120,  
215, 255) }
```

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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