

Converting Colors

XYZ(54.2244, 61.9401,
124.4057)

Have a look what the booklet for
XYZ(54.2244, 61.9401, 124.4057)
contains.

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Color

**XYZ(50.2136, 60.2537,
103.5913)**

Conversions

Conversions Part 1

Format	Color
Hex	77D8FF
RGB	119, 216, 255
RGB Percent	47%, 85%, 100%
CMY	0.5333, 0.1529, 0.0000
CMYK	0.53, 0.15, 0.00, 0.00
HSL	197°, 100%, 73%
HSV	197°, 53%, 100%
XYZ	50.2136, 60.2537, 103.5913
YIQ	191.4430, -70.3310, -8.4350

Conversions

Conversions Part 2

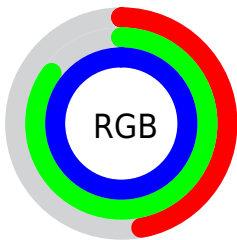
Format	Color
R _Y B	119, 176, 255
Decimal	7854335
CIE Lab	81.98, -18.11, -27.78
CIE LCh	82, 33.163, 236.903
Yxy	60.2537, 0.2346, 0.2815
Android (android.graphics.Color)	4286044415 (0xFF77D8FF)
YUV	191.4430, 31.3336, -63.5325
Hunter-Lab	77.6233, -20.3711, -24.7886

Details

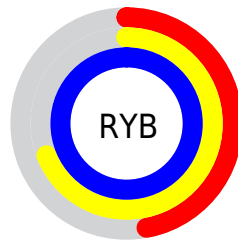
The XYZ color **50.2136, 60.2537, 103.5913** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.7975, 47.0468, 23.5421**, and the grayscale version is **49.6331, 52.2179, 56.8653**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **24.4061, 30.3238, 57.9928** is the 20% darker color. If you saturate the color by 10%, you get **45.3404, 55.0232, 102.8386**, and if you desaturate by 10%, it is **56.1123, 66.1391, 104.4164**.

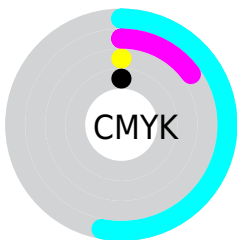
Distribution



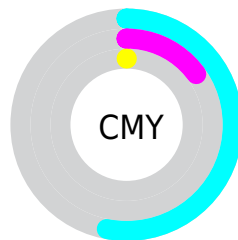
- Red (47%)
- Green (85%)
- Blue (100%)



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



- Cyan (53%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2136, 60.2537, 103.5913 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 50.2136, 60.2537, 103.5913 by changing the saturation by 10% instead.

50.2136, 60.2537,
103.5913

50.2136, 60.2537,
103.5913

377.9389,
425.5323, 592.9911

35.8016, 43.6232,
78.6696

89.6812, 105.1976,
168.1785

24.4504, 30.3744,
58.1045

115.4676,
134.2798, 208.6812

15.7946, 20.1229,
41.4774

145.7761,
168.2812, 255.2145

9.4689, 12.4844,
28.3698

180.9722,
207.5864, 308.1971

5.1078, 7.0745,
18.3631

221.4211,
252.5797, 368.0476

2.3461, 3.5087,
11.0389

267.4883,

0.8181, 1.4027,

303.6455, 435.1843

5.9785

319.5391,
361.1683, 510.0260

■ 0.0000, 0.2187,
2.7634

■ 0.0000, 0.0000,
0.9751

■ 50.2136, 60.2537,
103.5913

■ 50.2136, 60.2537,
103.5913

■ 45.3404, 55.0232,
102.8386

■ 56.1123, 66.1391,
104.4164

■ 41.4094, 50.3994,
102.1533

■ 63.1008, 72.7104,
105.3165

■ 38.3323, 46.3363,
101.5312

■ 71.2438, 80.0038,
106.2951

■ 35.9996, 42.7758,
100.9669

■ 80.5995, 88.0507,
107.3552

■ 34.7530, 40.6260,
100.6177

■ 91.2218, 96.8803,
108.4996

95.0500, 100.0000,
108.9000

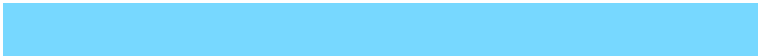
Harmonies

Analogous

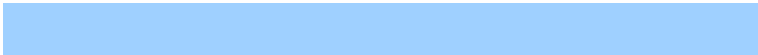
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.0608, 60.2537, 84.6887



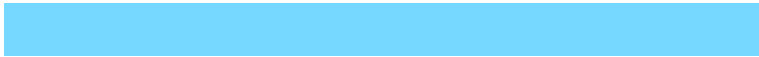
50.2136, 60.2537, 103.5913



56.5436, 60.2537, 112.2460

Triad

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



50.2136, 60.2537, 103.5913



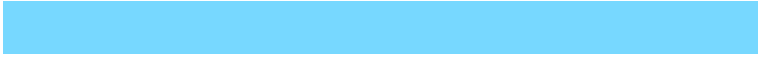
71.8252, 60.2537, 67.7156



51.3789, 60.2537, 36.8294

Complementary

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



50.2136, 60.2537, 103.5913



56.7975, 47.0468, 23.5421

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.



58.0013, 60.2537, 34.0927



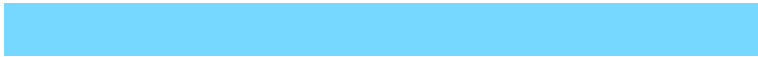
50.2136, 60.2537, 103.5913



70.1629, 60.2537, 49.6296

Square

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



50.2136, 60.2537, 103.5913



69.3318, 60.2537, 89.0475



64.9569, 60.2537, 38.2682



46.6940, 60.2537, 46.6881

Rectangle

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



50.2136, 60.2537, 103.5913



61.2824, 60.2537, 109.9546



64.9569, 60.2537, 38.2682



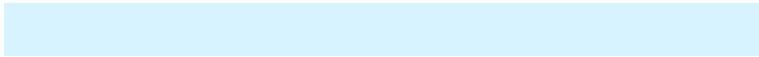
53.4354, 60.2537, 35.1459

Sweetspot

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



50.2153, 60.2559, 103.5917



77.9806, 85.8274, 107.0641



49.5004, 77.8951, 44.5659



16.2718, 18.0117, 22.8689



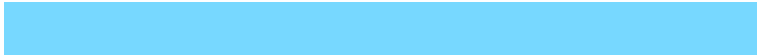
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



50.2153, 60.2559, 103.5917



45.0488, 54.6953, 102.7907



36.3226, 32.4704, 98.9608



18.0889, 19.5495, 23.0700



18.2933, 21.4962, 52.6196



1.8747, 2.2801, 5.1546

Inverse Universe

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



60.2327, 39.4132, 69.4009



56.4599, 33.4437, 63.2844



71.6401, 76.7320, 28.4897



18.5575, 18.2063, 21.5532



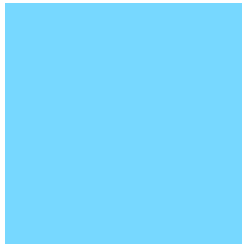
26.0218, 12.8980, 24.5631



2.5809, 1.2747, 2.6403

Previews

White Background



This preview shows how the XYZ color 50.2136, 60.2537, 103.5913 looks on a white background.

Color Contrast Check

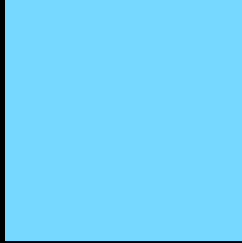
Large Text (above 18pt) WCAG AA × Fail

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 50.2136, 60.2537, 103.5913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

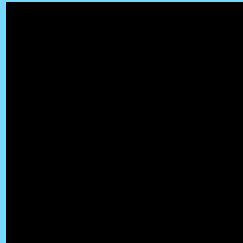
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

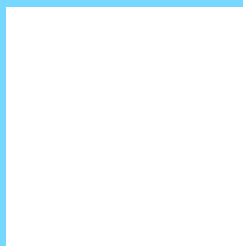
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.2136, 60.2537, 103.5913

Background



This preview shows how black text looks on a background with the XYZ color 50.2136, 60.2537, 103.5913.

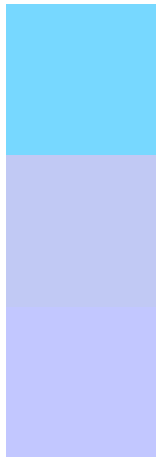


This preview shows how white text looks on a background with the XYZ color 50.2136, 60.2537,

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

50.2136, 60.2537, 103.5913

Protanopia

59.2081, 59.6424, 93.9795

Deuteranopia

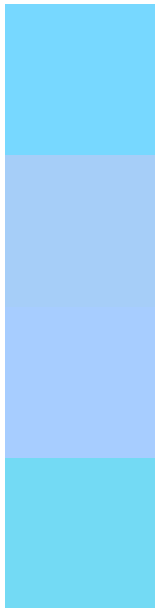
60.7216, 59.5362, 102.8990



Tritanopia

47.2997, 60.2222, 89.2519

Trichromacy



Original Color

50.2136, 60.2537, 103.5913

Protanomaly

54.7405, 59.0269, 97.3151

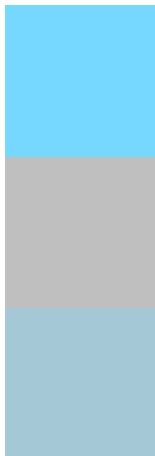
Deuteranomaly

55.8177, 59.0981, 103.0729

Tritanomaly

48.4708, 60.3193, 94.6761

Monochromacy



Original Color

50.2136, 60.2537, 103.5913

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 50.2136, 60.2537, 103.5913 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(119, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 216, 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(119, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 216, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.2136, 60.2537, 103.5913 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(119, 216, 255) }
```


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

```
.border{ border-color:rgb(119, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(119, 216,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2136, 60.2537, 103.5913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 216, 255) }
```

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

```
.background{ background-color: rgb(119,  
216, 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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