

Converting Colors

XYZ(51.1690, 62.5078,
103.9761)

Have a look what the booklet for
XYZ(51.1690, 62.5078, 103.9761)
contains.

XYZ(51.2426, 62.7148, 104.0121)	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(51.2426, 62.7148,
104.0121)**

Conversions

Conversions Part 1

Format	Color
Hex	75DDFF
RGB	117, 221, 255
RGB Percent	46%, 87%, 100%
CMY	0.5411, 0.1333, 0.0000
CMYK	0.54, 0.13, 0.00, 0.00
HSL	195°, 100%, 73%
HSV	195°, 54%, 100%
XYZ	51.2426, 62.7148, 104.0121
YIQ	193.7800, -72.8980, -11.4740

Conversions

Conversions Part 2

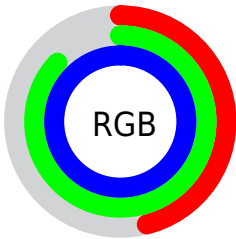
Format	Color
RYB	117, 176, 255
Decimal	7724543
CIELab	83.29, -21.04, -25.78
CIELCh	83, 33.275, 230.780
Yxy	62.7148, 0.2351, 0.2877
Android (android.graphics.Color)	4285914623 (0xFF75DDFF)
YUV	193.7800, 30.1815, -67.3361
Hunter-Lab	79.1927, -23.0866, -22.4369

Details

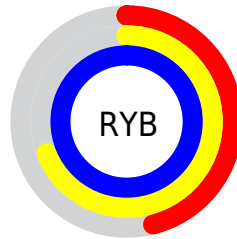
The XYZ color **51.2426, 62.7148, 104.0121** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.5185, 44.6789, 22.5296**, and the grayscale version is **51.0082, 53.6646, 58.4408**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **25.0959, 32.0026, 58.2805** is the 20% darker color. If you saturate the color by 10%, you get **46.6440, 57.9289, 103.3307**, and if you desaturate by 10%, it is **56.8398, 68.1103, 104.7586**.

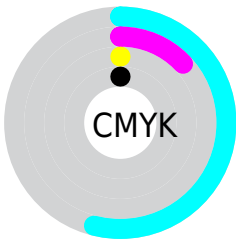
Distribution



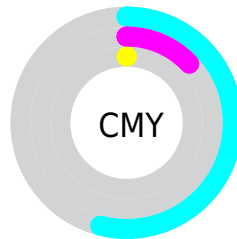
- Red (46%)
- Green (87%)
- Blue (100%)



- Red (46%)
- Yellow (69%)
- Blue (100%)



- Cyan (54%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2426, 62.7148, 104.0121 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 51.2426, 62.7148, 104.0121 by changing the saturation by 10% instead.

51.2426, 62.7148,
104.0121

51.2426, 62.7148,
104.0121

381.8778,
434.5337, 594.3369

36.6235, 45.6105,
79.0199

91.1941, 108.7580,
168.7597

25.0885, 31.9386,
58.3908

117.2573,
138.4656, 209.3522

16.2721, 21.3146,
41.7061

147.8659,
173.1432, 255.9818

9.8090, 13.3542,
28.5474

183.3853,
213.1751, 309.0672

5.3338, 7.6729,
18.4961

224.1808,
258.9457, 369.0269

2.4812, 3.8863,
11.1336

270.6178,

0.8858, 1.6102,

310.8394, 436.2793

6.0415

323.0617,
369.2406, 511.2432

■ 0.0000, 0.3645,
2.8011

■ 0.0000, 0.0000,
0.9940

■ 51.2426, 62.7148,
104.0121

■ 51.2426, 62.7148,
104.0121

■ 46.6440, 57.9289,
103.3307

■ 56.8398, 68.1103,
104.7586

■ 42.9602, 53.7045,
102.7095

■ 63.4999, 74.1455,
105.5725

■ 40.1022, 49.9958,
102.1443

■ 71.2878, 80.8563,
106.4573

■ 37.9586, 46.7447,
101.6297

■ 80.2617, 88.2734,
107.4160

■ 36.9385, 44.9970,
101.3462

■ 90.4753, 96.4256,
108.4512

95.0500, 100.0000,
108.9000

Harmonies

Analogous

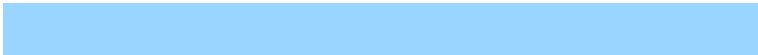
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.5317, 62.7148, 83.4091



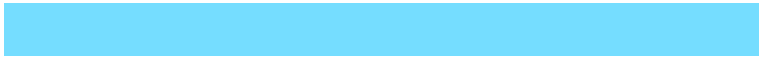
51.2426, 62.7148, 104.0121



57.4085, 62.7148, 115.6123

Triad

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



51.2426, 62.7148, 104.0121



74.4123, 62.7148, 74.8663



54.8107, 62.7148, 37.4134

Complementary

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



51.2426, 62.7148, 104.0121



55.5185, 44.6789, 22.5296

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.



61.8640, 62.7148, 36.0407



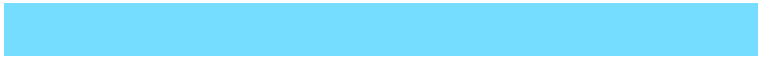
51.2426, 62.7148, 104.0121



73.5752, 62.7148, 55.1108

Square

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



51.2426, 62.7148, 104.0121



71.0416, 62.7148, 96.6835



68.8388, 62.7148, 41.8498



49.4731, 62.7148, 46.0764

Rectangle

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



51.2426, 62.7148, 104.0121



62.2470, 62.7148, 115.3450



68.8388, 62.7148, 41.8498



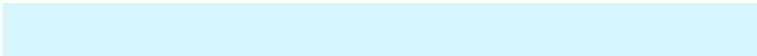
57.0457, 62.7148, 36.1638

Sweetspot

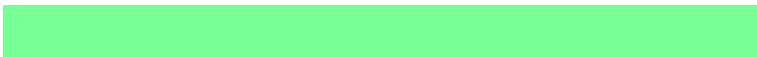
The Sweet Spot groups the original color and five complimentary colors.



51.2444, 62.7171, 104.0125



78.4767, 86.8198, 107.2295



48.5383, 77.4789, 40.9165



16.3907, 18.2496, 22.9086



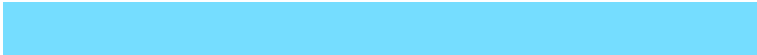
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



51.2444, 62.7171, 104.0125



46.2822, 57.5329, 103.2734



36.9105, 34.0493, 99.2345



18.1535, 19.6787, 23.0915



19.4249, 23.7593, 52.9968



1.9771, 2.4848, 5.1887

Inverse Universe

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



60.6537, 39.2049, 72.7794



56.9919, 33.3099, 67.1545



69.5751, 72.7921, 27.2151



18.5902, 18.2194, 21.7249



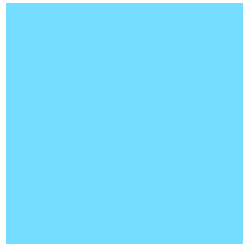
26.5930, 13.1265, 27.5708



2.6325, 1.2954, 2.9124

Previews

White Background



This preview shows how the XYZ color 51.2426, 62.7148, 104.0121 looks on a white background.

Color Contrast Check

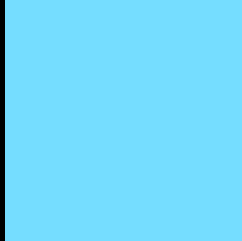
Large Text (above 18pt) WCAG AA × Fail

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 51.2426, 62.7148, 104.0121 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

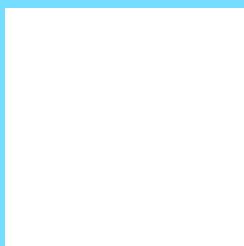
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.2426, 62.7148, 104.0121

Background



This preview shows how black text looks on a background with the XYZ color 51.2426, 62.7148, 104.0121.

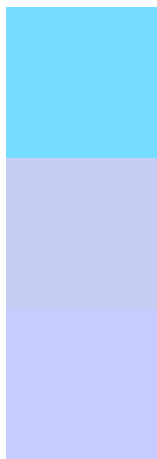


This preview shows how white text looks on a background with the XYZ color 51.2426, 62.7148,

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

51.2426, 62.7148, 104.0121

Protanopia

61.2107, 61.7232, 94.2756

Deuteranopia

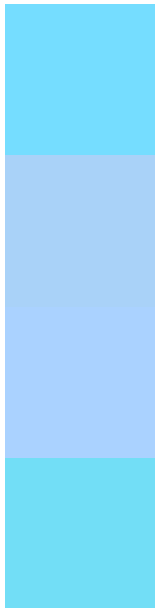
63.2254, 62.2112, 103.2834



Tritanopia

48.9470, 62.5710, 92.7167

Trichromacy



Original Color

51.2426, 62.7148, 104.0121

Protanomaly

56.3521, 61.3055, 97.6700

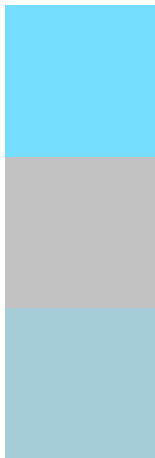
Deuteranomaly

57.6742, 61.8592, 103.5080

Tritanomaly

49.6953, 62.4738, 96.6282

Monochromacy



Original Color

51.2426, 62.7148, 104.0121

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.7134, 56.2506, 73.2030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2426, 62.7148, 104.0121 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(117, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 221, 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(117, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.2426, 62.7148, 104.0121 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(117, 221, 255) }
```


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

```
.border{ border-color:rgb(117, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2426, 62.7148, 104.0121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 221, 255) }
```

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

```
.background{ background-color: rgb(117,  
221, 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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