

# Converting Colors

XYZ(51.1965, 60.3889,  
103.5656)

Have a look what the booklet for  
XYZ(51.1965, 60.3889, 103.5656)  
contains.

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# Color

**XYZ(51.2525, 60.4101,  
103.5668)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80D7FF
RGB	128, 215, 255
RGB Percent	50%, 84%, 100%
CMY	0.4980, 0.1568, 0.0000
CMYK	0.50, 0.16, 0.00, 0.00
HSL	199°, 100%, 75%
HSV	199°, 50%, 100%
XYZ	51.2525, 60.4101, 103.5668
YIQ	193.5470, -64.6920, -6.0040

# Conversions

## Conversions Part 2

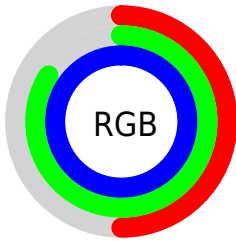
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 180, 255
Decimal	8443903
CIE <sub>Lab</sub>	82.06, -15.71, -27.62
CIE <sub>LCh</sub>	82, 31.773, 240.377
Yxy	60.4101, 0.2381, 0.2807
Android (android.graphics.Color)	4286633983 (0xFF80D7FF)
YUV	193.5470, 30.2963, -57.4847
Hunter-Lab	77.7239, -18.3109, -24.5969

# Details

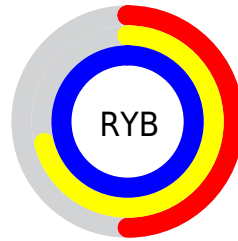
The XYZ color **51.2525, 60.4101, 103.5668** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **59.1396, 50.8246, 27.1171**, and the grayscale version is **50.8666, 53.5156, 58.2785**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **25.0106, 30.3771, 57.9712** is the 20% darker color. If you saturate the color by 10%, you get **45.8931, 54.6867, 102.7445**, and if you desaturate by 10%, it is **57.6794, 66.8355, 104.4682**.

# Distribution



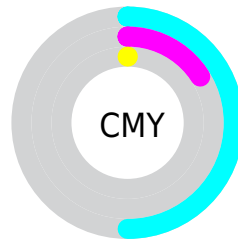
- Red (50%)
- Green (84%)
- Blue (100%)



- Red (50%)
- Yellow (71%)
- Blue (100%)



- Cyan (50%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2525, 60.4101, 103.5668 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 51.2525, 60.4101, 103.5668 by changing the saturation by 10% instead.



51.2525, 60.4101,  
103.5668

51.2525, 60.4101,  
103.5668

381.9155,  
426.1077, 592.9127

36.6315, 43.7493,  
78.6492

91.2087, 105.4243,  
168.1447

25.0946, 30.4734,  
58.0878

117.2745,  
134.5465, 208.6421

16.2767, 20.1982,  
41.4641

147.8860,  
168.5913, 255.1698

9.8122, 12.5392,  
28.3595

183.4085,  
207.9431, 308.1464

5.3360, 7.1120,  
18.3554

224.2073,  
252.9862, 367.9905

2.4825, 3.5323,  
11.0334

270.6479,

0.8864, 1.4155,

304.1051, 435.1205

5.9748

323.0955,  
361.6841, 509.9551

■ 0.0000, 0.2281,  
2.7612

■ 0.0000, 0.0000,  
0.9741

■ 51.2525, 60.4101,  
103.5668

■ 51.2525, 60.4101,  
103.5668

■ 45.8931, 54.6867,  
102.7445

■ 57.6794, 66.8355,  
104.4682

■ 41.5209, 49.6178,  
101.9966

■ 65.2360, 73.9930,  
105.4515

■ 38.0520, 45.1594,  
101.3188

■ 73.9855, 81.9187,  
106.5202

■ 35.3847, 41.2567,  
100.7061

■ 83.9848, 90.6438,  
107.6773

■ 33.3567, 37.8240,  
100.1504

95.0500, 100.0000,  
108.9000

■ 33.3194, 37.7589,  
100.1398

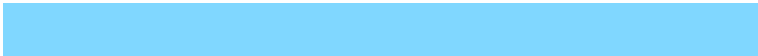
# Harmonies

## Analogous

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



46.9558, 60.4101, 86.3681



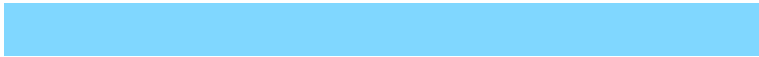
51.2525, 60.4101, 103.5668



57.5033, 60.4101, 110.2651

# Triad

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



51.2525, 60.4101, 103.5668



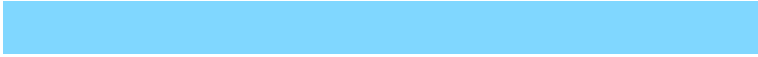
71.3641, 60.4101, 65.5324



51.1157, 60.4101, 38.6901

# Complementary

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



51.2525, 60.4101, 103.5668



59.1396, 50.8246, 27.1171

# 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.



57.3328, 60.4101, 35.2254



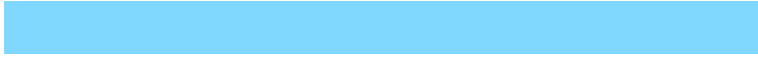
51.2525, 60.4101, 103.5668



69.3291, 60.4101, 48.7489

# Square

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



51.2525, 60.4101, 103.5668



69.4259, 60.4101, 85.8619



64.0591, 60.4101, 38.5189

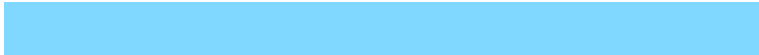


46.8812, 60.4101, 49.0962



# Rectangle

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



51.2525, 60.4101, 103.5668



62.0458, 60.4101, 107.0236



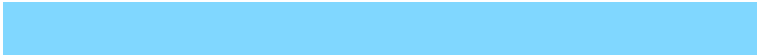
64.0591, 60.4101, 38.5189



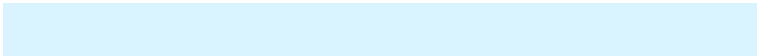
53.0262, 60.4101, 36.7776

# Sweetspot

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



51.2542, 60.4123, 103.5671



78.6276, 86.0067, 107.0646



51.5554, 78.8666, 48.6319



16.3856, 18.0199, 22.8645



0.0000, 0.0000, 0.0000

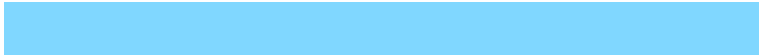


20.3446, 21.4041, 23.3091



# Same Dimension

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



51.2542, 60.4123, 103.5671



45.7971, 54.5800, 102.7290



38.4104, 34.7247, 99.2858



18.0440, 19.4597, 23.0550



17.5500, 20.0096, 52.3718



1.8068, 2.1444, 5.1319



# Inverse Universe

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



61.2261, 41.6062, 69.0962



57.2310, 35.2586, 62.7010



73.3226, 79.1905, 31.8447



18.5349, 18.1973, 21.4338



25.6466, 12.7479, 22.5875

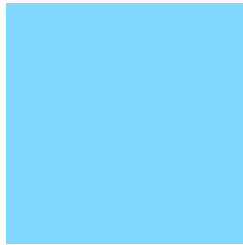


2.5466, 1.2610, 2.4599



# Previews

## White Background



This preview shows how the XYZ color 51.2525, 60.4101, 103.5668 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

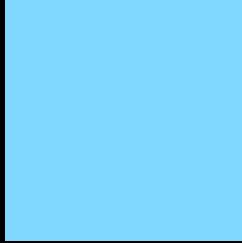
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.2525, 60.4101, 103.5668 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

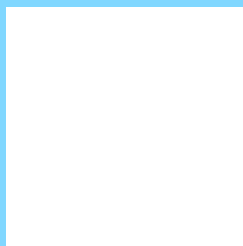
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.2525, 60.4101, 103.5668

## Background



This preview shows how black text looks on a background with the XYZ color 51.2525, 60.4101, 103.5668.



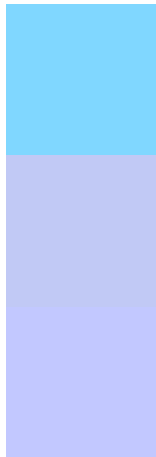
This preview shows how white text looks on a background with the XYZ color 51.2525, 60.4101,



# 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

51.2525, 60.4101, 103.5668

### Protanopia

59.3604, 59.7033, 94.7815

### Deuteranopia

60.9524, 59.9979, 102.9760



## Tritanopia

48.2378, 60.3365, 88.4606

# Trichromacy



## Original Color

51.2525, 60.4101, 103.5668

## Protanomaly

55.5324, 59.4172, 98.1643

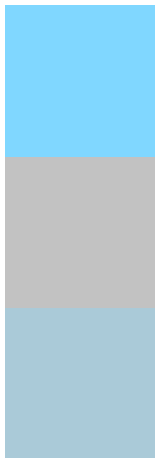
## Deuteranomaly

56.4589, 59.4287, 103.1029

## Tritanomaly

49.3027, 60.3819, 93.8504

# Monochromacy



## Original Color

51.2525, 60.4101, 103.5668

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

50.0928, 55.7450, 73.0854

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2525, 60.4101, 103.5668 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(128, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 215, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2525, 60.4101, 103.5668 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(128, 215, 255) }
```



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

```
.border{ border-color:rgb(128, 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(128, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 215,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2525, 60.4101, 103.5668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 215, 255) }
```

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

```
.background{ background-color: rgb(128,  
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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