

Converting Colors

XYZ(51.5584, 77.9527, 89.9945)

Have a look what the booklet for
XYZ(51.5584, 77.9527, 89.9945)
contains.

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Color

**XYZ(51.6075, 77.9741,
90.1724)**

Conversions

Conversions Part 1

Format	Color
Hex	2BFFEA
RGB	43, 255, 234
RGB Percent	17%, 100%, 92%
CMY	0.8313, 0.0000, 0.0823
CMYK	0.83, 0.00, 0.08, 0.00
HSL	174°, 100%, 58%
HSV	174°, 83%, 100%
XYZ	51.6075, 77.9741, 90.1724
YIQ	189.2180, -119.6110, -51.4750

Conversions

Conversions Part 2

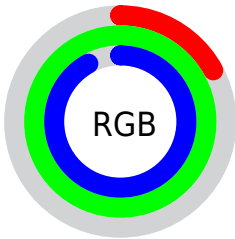
Format	Color
R _{YB}	43, 155, 255
Decimal	2883562
CIE Lab	90.77, -52.30, -3.73
CIE LCh	91, 52.433, 184.084
Yxy	77.9741, 0.2348, 0.3548
Android (android.graphics.Color)	4281073642 (0xFF2BFFEA)
YUV	189.2180, 22.0775, -128.2332
Hunter-Lab	88.3029, -50.2082, 1.2668

Details

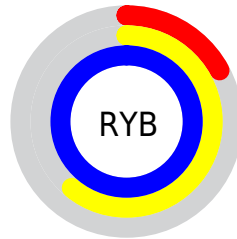
The XYZ color **51.6075, 77.9741, 90.1724** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.0304, 23.3594, 7.0936**, and the grayscale version is **48.4237, 50.9455, 55.4797**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **28.0021, 43.1469, 48.9718** is the 20% darker color. If you saturate the color by 10%, you get **50.4917, 77.4404, 88.2405**, and if you desaturate by 10%, it is **53.3973, 78.8545, 92.1656**.

Distribution



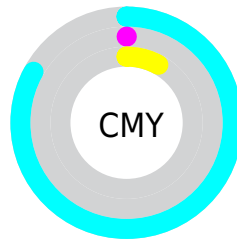
- Red (17%)
- Green (100%)
- Blue (92%)



- Red (17%)
- Yellow (61%)
- Blue (100%)



- Cyan (83%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (83%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6075, 77.9741, 90.1724 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 51.6075, 77.9741, 90.1724 by changing the saturation by 10% instead.


 51.6075, 77.9741,
90.1724


 51.6075, 77.9741,
90.1724


383.2684,
488.0789, 549.1761

 36.9153, 58.0527,
67.5491


 91.7298, 130.5136,
149.5155

 25.3153, 41.8510,
49.0666


 117.8906,
163.9005, 187.0723

 16.4421, 28.9847,
34.3064


 148.6050,
202.5447, 230.4441

 9.9304, 19.0692,
22.8498

 184.2384,
246.8306, 280.0494

 5.4147, 11.7203,
14.2784

225.1560,
297.1425, 336.3067

 2.5298, 6.5535,
8.1736

271.7233,

 0.9103, 3.1845,

353.8650, 399.6345

4.1169

324.3057,
417.3823, 470.4515

■ 0.0000, 1.2288,
1.6897

■ 0.0000, 0.0850,
0.3536

■ 51.6075, 77.9741,
90.1724

■ 51.6075, 77.9741,
90.1724

■ 50.4917, 77.4404,
88.2405

■ 53.3973, 78.8545,
92.1656

■ 50.0065, 77.2186,
86.9412

■ 55.9658, 80.1358,
94.2210

■ 59.4029, 81.8642,
96.3443

■ 63.7853, 84.0794,
98.5391

■ 69.1813, 86.8165,
100.8088

■ 75.6529, 90.1075,
103.1565

■ 83.2571, 93.9817,
105.5847

■ 92.0468, 98.4665,
108.0963

■ 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.



53.5831, 77.9741, 56.9764



51.6075, 77.9741, 90.1724



55.0494, 77.9741, 132.3914

Triad

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



51.6075, 77.9741, 90.1724



89.2336, 77.9741, 160.2751



85.7439, 77.9741, 34.9380

Complementary

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



51.6075, 77.9741, 90.1724



43.0304, 23.3594, 7.0936

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.



97.1341, 77.9741, 50.3889



51.6075, 77.9741, 90.1724



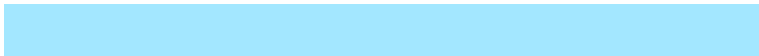
99.3107, 77.9741, 120.7191

Square

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



51.6075, 77.9741, 90.1724



75.9307, 77.9741, 179.7703



102.3595, 77.9741, 79.8383



72.3227, 77.9741, 31.1493

Rectangle

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



51.6075, 77.9741, 90.1724



60.2235, 77.9741, 158.2507



102.3595, 77.9741, 79.8383



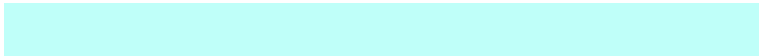
89.9869, 77.9741, 38.6573

Sweetspot

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



51.6085, 77.9746, 90.1738



74.3586, 89.4487, 102.7115



38.3248, 72.7918, 14.3175



15.4178, 18.8924, 21.8071



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.



51.6085, 77.9746, 90.1738



50.0065, 77.2186, 86.9412



33.4605, 36.5611, 99.9012



18.4727, 20.4486, 22.7923



26.1612, 40.3611, 45.5954



2.5688, 3.9384, 4.5529

Inverse Universe

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



43.0304, 23.3594, 7.0936



41.4183, 21.3313, 2.8688



49.3708, 36.8235, 6.7927



18.0825, 18.0163, 19.0514



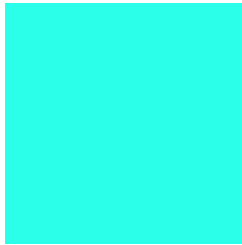
21.6659, 11.1556, 1.6249



2.1327, 1.0955, 0.2804

Previews

White Background



This preview shows how the XYZ color 51.6075, 77.9741, 90.1724 looks on a white background.

Color Contrast Check

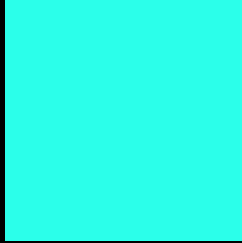
Large Text (above 18pt) WCAG AA × Fail

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 51.6075, 77.9741, 90.1724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

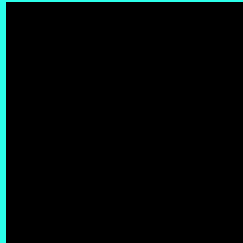
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

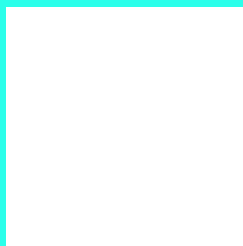
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6075, 77.9741, 90.1724

Background



This preview shows how black text looks on a background with the XYZ color 51.6075, 77.9741, 90.1724.

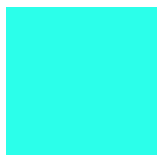


This preview shows how white text looks on a background with the XYZ color 51.6075, 77.9741,

Color Blindness Simulation

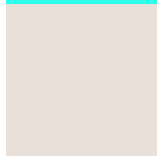
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



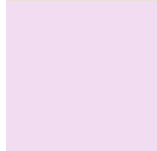
Original Color

51.6075, 77.9741, 90.1724



Protanopia

73.0539, 76.1838, 76.5002



Deuteranopia

77.8958, 76.2980, 94.6258



Tritanopia

62.6422, 76.9029, 106.1499

Trichromacy



Original Color

51.6075, 77.9741, 90.1724



Protanomaly

58.6246, 73.2111, 80.8534



Deuteranomaly

61.0811, 72.9448, 92.5218



Tritanomaly

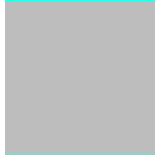
56.5543, 76.1376, 99.7110

Monochromacy



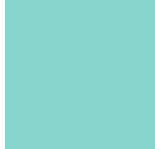
Original Color

51.6075, 77.9741, 90.1724



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.9670, 57.2305, 66.4342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6075, 77.9741, 90.1724 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(43, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(43, 255, 234)  
}
```

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(43, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 51.6075, 77.9741, 90.1724 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(43, 255, 234) }
```


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

```
.border{ border-color:rgb(43, 255, 234) }
```

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

Here you see how a box with a 4 pixel rgb(43, 255, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(43, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6075, 77.9741, 90.1724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 255, 234) }
```

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

```
.background{ background-color: rgb(43, 255,  
234) }
```

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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