

# Converting Colors

XYZ(51.6055, 76.1029, 91.4892)

Have a look what the booklet for  
XYZ(51.6055, 76.1029, 91.4892)  
contains.

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# Color

**XYZ(51.5620, 76.0426,  
91.3170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DFBEC
RGB	61, 251, 236
RGB Percent	24%, 98%, 93%
CMY	0.7607, 0.0157, 0.0745
CMYK	0.76, 0.00, 0.06, 0.02
HSL	175°, 96%, 61%
HSV	175°, 76%, 98%
XYZ	51.5620, 76.0426, 91.3170
YIQ	192.4800, -108.4250, -44.9450

# Conversions

## Conversions Part 2

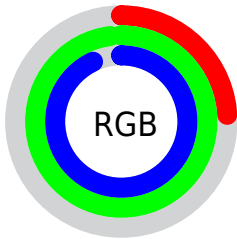
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 160, 251
Decimal	4062188
CIELab	89.88, -48.59, -6.06
CIELCh	90, 48.964, 187.107
Yxy	76.0426, 0.2355, 0.3474
Android (android.graphics.Color)	4282252268 (0xFF3DFBEC)
YUV	192.4800, 21.4554, -115.3080
Hunter-Lab	87.2024, -47.0588, -1.0459

# Details

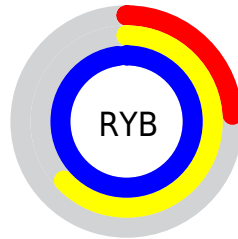
The XYZ color **51.5620, 76.0426, 91.3170** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.7595, 24.3708, 9.2906**, and the grayscale version is **50.3106, 52.9306, 57.6414**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **27.5300, 41.8789, 49.8125** is the 20% darker color. If you saturate the color by 10%, you get **50.0770, 75.3119, 89.7542**, and if you desaturate by 10%, it is **53.7768, 77.1527, 92.9341**.

# Distribution



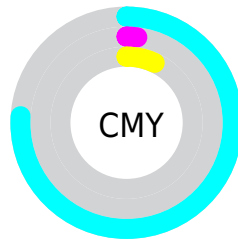
- Red (24%)
- Green (98%)
- Blue (93%)



- Red (24%)
- Yellow (63%)
- Blue (98%)



- Cyan (76%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)




- Cyan (76%)
- Magenta (2%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5620, 76.0426, 91.3170 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 51.5620, 76.0426, 91.3170 by changing the saturation by 10% instead.





 51.5620, 76.0426,  
91.3170


 51.5620, 76.0426,  
91.3170


383.0951,  
481.4935, 552.9860


 36.8789, 56.4674,  
68.4936


 91.6630, 127.7871,  
151.1179


 25.2870, 40.5778,  
49.8302


 117.8117,  
160.7253, 188.9325

 16.4209, 27.9894,  
34.9083


 148.5129,  
198.8865, 232.5812

 9.9152, 18.3176,  
23.3092

 184.1321,  
242.6553, 282.4826

 5.4046, 11.1783,  
14.6146

225.0345,  
292.4160, 339.0553

 2.5237, 6.1869,  
8.4057

271.5856,

 0.9072, 2.9590,

348.5530, 402.7177

4.2642

324.1507,  
411.4507, 473.8884

■ 0.0000, 1.1104,  
1.7714

■ 0.0000, 0.0000,  
0.4090

■ 51.5620, 76.0426,  
91.3170

■ 51.5620, 76.0426,  
91.3170

■ 50.0770, 75.3119,  
89.7542

■ 53.7768, 77.1527,  
92.9341


■ 49.2048, 74.8950,  
88.2350


■ 56.8040, 78.6794,  
94.6042

■ 48.9482, 74.7767,  
87.5912


■ 60.7220, 80.6650,  
96.3328


■ 65.5985, 83.1443,  
98.1231

 71.4944, 86.1489,  
99.9779

 78.4658, 89.7074,  
101.9001

 86.5644, 93.8467,  
103.8920

 93.2865, 97.2760,  
105.8366

 93.6021, 97.4022,  
107.4984

# Harmonies

## Analogous

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



52.8936, 76.0426, 59.4899



51.5620, 76.0426, 91.3170



55.2656, 76.0426, 129.8478

# Triad

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



51.5620, 76.0426, 91.3170



87.2392, 76.0426, 148.1078



81.7089, 76.0426, 35.3374

# Complementary

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



51.5620, 76.0426, 91.3170



42.7595, 24.3708, 9.2906

# 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.



92.4618, 76.0426, 48.7560



51.5620, 76.0426, 91.3170



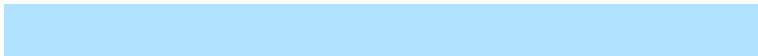
95.8953, 76.0426, 111.5137

# Square

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



51.5620, 76.0426, 91.3170



75.1928, 76.0426, 168.0684



97.9059, 76.0426, 74.8250



69.4360, 76.0426, 32.7202



# Rectangle

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



51.5620, 76.0426, 91.3170



60.3643, 76.0426, 152.2872



97.9059, 76.0426, 74.8250



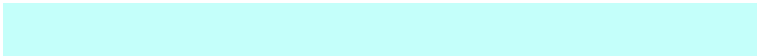
85.6604, 76.0426, 38.5075

# Sweetspot

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



51.5642, 76.0455, 91.3188



75.9293, 90.2281, 104.1599



38.3892, 70.9052, 16.0795



15.7291, 19.0458, 22.1426



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.



51.5642, 76.0455, 91.3188



51.3511, 77.7971, 92.1834



34.0608, 37.4024, 96.6941



17.7032, 19.5836, 21.9036



25.7536, 39.3145, 46.1733



2.4023, 3.6480, 4.3662



# Inverse Universe

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



42.7595, 24.3708, 9.2906



41.9504, 22.0328, 4.1646



50.0315, 39.6546, 9.4339



17.3002, 17.2474, 18.1707



20.9974, 10.8147, 1.4290

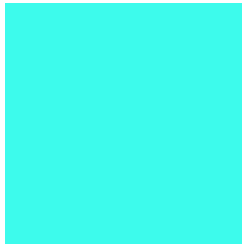


1.9633, 1.0090, 0.2301



# Previews

## White Background



This preview shows how the XYZ color 51.5620, 76.0426, 91.3170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

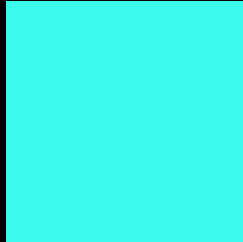
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.5620, 76.0426, 91.3170 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

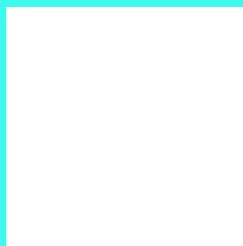
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.5620, 76.0426, 91.3170

## Background



This preview shows how black text looks on a background with the XYZ color 51.5620, 76.0426, 91.3170.



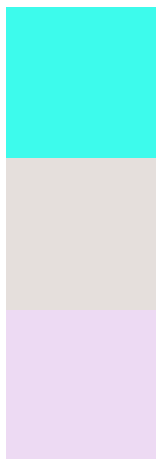
This preview shows how white text looks on a background with the XYZ color 51.5620, 76.0426,



# 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

51.5620, 76.0426, 91.3170

### Protanopia

71.6190, 74.6007, 78.3348

### Deuteranopia

76.1741, 74.6184, 95.1820



## Tritanopia

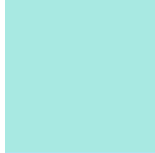
60.3654, 75.2910, 105.9588

# Trichromacy



## Original Color

51.5620, 76.0426, 91.3170



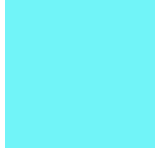
## Protanomaly

59.0148, 72.0936, 82.7566



## Deuteranomaly

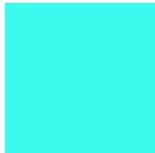
61.2586, 71.7691, 93.0622



## Tritanomaly

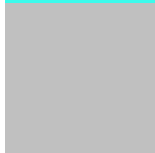
56.1040, 74.9894, 100.3243

# Monochromacy



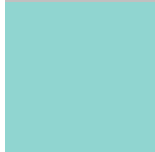
## Original Color

51.5620, 76.0426, 91.3170



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

46.6810, 58.0719, 68.4231

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5620, 76.0426, 91.3170 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(61, 251, 236)` looks like.

```
.text, #text, p{  
    color:rgb(61, 251, 236)  
}
```

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(61, 251, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 251, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5620, 76.0426, 91.3170 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(61, 251, 236) }
```



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

```
.border{ border-color:rgb(61, 251, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 251, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 251, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 251, 236);  
box-shadow:4px 4px 4px 4px rgb(61, 251,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5620, 76.0426, 91.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 251, 236) }
```

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

```
.background{ background-color: rgb(61, 251,  
236) }
```

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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