

# Converting Colors

XYZ(51.3223, 66.7147, 89.5291)

Have a look what the booklet for  
XYZ(51.3223, 66.7147, 89.5291)  
contains.

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# Color

**XYZ(51.3223, 66.7147,  
89.5291)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79E6EC
RGB	121, 230, 236
RGB Percent	47%, 90%, 93%
CMY	0.5255, 0.0980, 0.0745
CMYK	0.49, 0.03, 0.00, 0.07
HSL	183°, 75%, 70%
HSV	183°, 49%, 93%
XYZ	51.3223, 66.7147, 89.5291
YIQ	198.0930, -66.8900, -21.2420

# Conversions

## Conversions Part 2

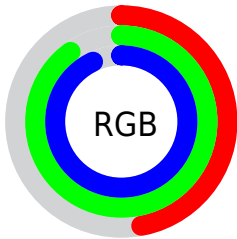
Format	Color
<a href="#">RYB</a>	<a href="#">121, 177, 236</a>
Decimal	<a href="#">7988972</a>
CIELab	<a href="#">85.36, -29.74, -12.61</a>
CIELCh	<a href="#">85, 32.304, 202.979</a>
Yxy	<a href="#">66.7147, 0.2473, 0.3214</a>
Android (android.graphics.Color)	<a href="#">4286179052 (0xFF79E6EC)</a>
YUV	<a href="#">198.0930, 18.6882, -67.6106</a>
Hunter-Lab	<a href="#">81.6791, -30.7795, -7.8129</a>

# Details

The XYZ color **51.3223, 66.7147, 89.5291** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.6339, 34.3933, 22.3243**, and the grayscale version is **53.6540, 56.4481, 61.4720**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **25.1192, 34.4669, 48.5089** is the 20% darker color. If you saturate the color by 10%, you get **48.0701, 64.5329, 89.2806**, and if you desaturate by 10%, it is **55.3898, 69.3235, 89.8194**.

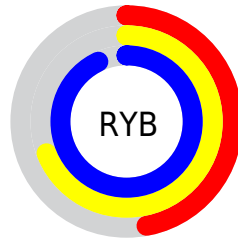
# Distribution



Red (47%)

Green (90%)

Blue (93%)



Red (47%)

Yellow (69%)

Blue (93%)

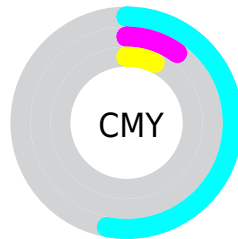


Cyan (49%)

Magenta (3%)

Yellow (0%)

Black (7%)



Cyan (53%)

Magenta (10%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3223, 66.7147, 89.5291 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 51.3223, 66.7147, 89.5291 by changing the saturation by 10% instead.





 51.3223, 66.7147,  
89.5291


 51.3223, 66.7147,  
89.5291


382.1818,  
448.9286, 547.0284


 36.6873, 48.8528,  
67.0186


 91.3112, 114.5115,  
148.6139

 25.1380, 34.5027,  
48.6381


 117.3957,  
145.2152, 186.0254

 16.3092, 23.2801,  
33.9689


 148.0274,  
180.9683, 229.2409

 9.8354, 14.8005,  
22.5925


183.5718,  
222.1552, 278.6790

 5.3514, 8.6795,  
14.0905

224.3940,  
269.1603, 334.7582

 2.4917, 4.5327,  
8.0441

270.8595,

 0.8911, 1.9758,

322.3679, 397.8972

4.0350

323.3336,  
382.1626, 468.5144

■ 0.0000, 0.5933,  
1.6446

■ 0.0000, 0.0000,  
0.3223

■ 51.3223, 66.7147,  
89.5291

■ 51.3223, 66.7147,  
89.5291

■ 48.0701, 64.5329,  
89.2806

■ 55.3898, 69.3235,  
89.8194

■ 45.5672, 62.7395,  
89.0663

■ 60.3207, 72.3793,  
90.1494

■ 43.7471, 61.3016,  
88.8847

■ 66.1661, 75.9103,  
90.5229

■ 42.5291, 60.1777,  
88.7320

■ 72.9718, 79.9399,  
90.9419

■ 41.7933, 59.3059,  
88.6025

■ 80.7802, 84.4901,  
91.4087

■ 41.7136, 59.2024,  
88.5867

■ 86.7775, 88.1102,  
91.7913

■ 87.1359, 88.8269,  
91.9108

■ 87.4967, 89.5486,  
92.0311

■ 87.8601, 90.2752,  
92.1522

# Harmonies

## Analogous

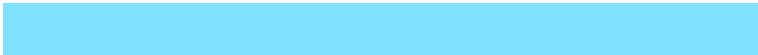
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.4496, 66.7147, 67.8273



51.3223, 66.7147, 89.5291



55.3127, 66.7147, 109.7835

# Triad

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



51.3223, 66.7147, 89.5291



75.3165, 66.7147, 99.6955



65.1453, 66.7147, 39.5466

# Complementary

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



51.3223, 66.7147, 89.5291



45.6339, 34.3933, 22.3243

# 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.



72.2620, 66.7147, 44.9918



51.3223, 66.7147, 89.5291



78.4200, 66.7147, 77.6772

# Square

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



51.3223, 66.7147, 89.5291



69.0614, 66.7147, 116.3969



77.2614, 66.7147, 58.0225



58.0762, 66.7147, 41.5079

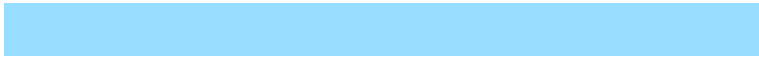


# Rectangle

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



51.3223, 66.7147, 89.5291



59.3814, 66.7147, 118.3687



77.2614, 66.7147, 58.0225



67.6175, 66.7147, 40.5297

# Sweetspot

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



51.3243, 66.7173, 89.5307



81.7179, 92.1872, 108.0947



41.6966, 65.5830, 30.4563



17.1361, 19.5208, 23.1147



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.



51.3243, 66.7173, 89.5307



57.4738, 77.0487, 106.4504



37.9228, 39.9143, 85.0635



15.4465, 16.9794, 19.3855



23.0235, 32.6940, 48.8401



1.8286, 2.6086, 3.8420



# Inverse Universe

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



55.7141, 37.2226, 79.1139



63.3408, 38.5293, 92.3258



55.2372, 53.6000, 25.5254



15.6789, 15.2994, 18.8604



26.4765, 12.7933, 39.9061

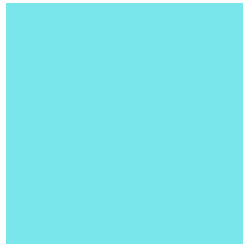


2.0895, 1.0088, 3.1885



# Previews

## White Background



This preview shows how the XYZ color 51.3223, 66.7147, 89.5291 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

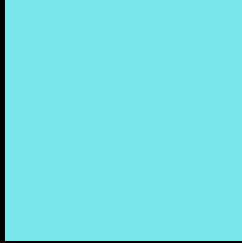
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.3223, 66.7147, 89.5291 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

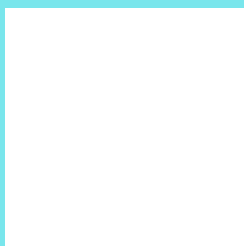
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.3223, 66.7147, 89.5291

## Background



This preview shows how black text looks on a background with the XYZ color 51.3223, 66.7147, 89.5291.



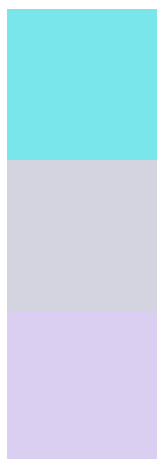
This preview shows how white text looks on a background with the XYZ color 51.3223, 66.7147,



# 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

51.3223, 66.7147, 89.5291

### Protanopia

63.9002, 65.9674, 79.8861

### Deuteranopia

67.4034, 66.0366, 92.4129



## Tritanopia

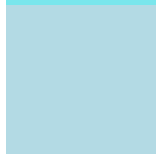
52.9894, 66.5622, 98.0506

# Trichromacy



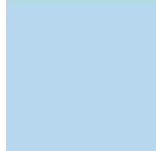
## Original Color

51.3223, 66.7147, 89.5291



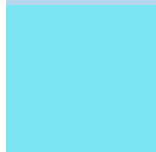
## Protanomaly

57.6654, 65.3279, 82.9691



## Deuteranomaly

59.4089, 64.9002, 91.0572



## Tritanomaly

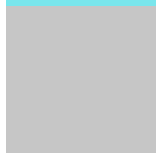
52.5092, 66.7948, 94.9192

# Monochromacy



## Original Color

51.3223, 66.7147, 89.5291



## Achromatopsia

53.6758, 56.4712, 61.4971



## Achromatomaly

51.5078, 59.3927, 71.0365

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3223, 66.7147, 89.5291 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(121, 230, 236)` looks like.

```
.text, #text, p{  
    color:rgb(121, 230, 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(121, 230, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 230, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3223, 66.7147, 89.5291 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(121, 230, 236) }
```



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

```
.border{ border-color:rgb(121, 230, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 230, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 230, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 230, 236); box-shadow:4px 4px 4px 4px rgb(121, 230, 236) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3223, 66.7147, 89.5291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 230, 236) }
```

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

```
.background{ background-color: rgb(121,  
230, 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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