

Converting Colors

XYZ(93.8162, 84.7606,
324.5724)

Have a look what the booklet for
XYZ(93.8162, 84.7606, 324.5724)
contains.

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Color

**XYZ(52.1187, 68.0392,
104.9937)**

Conversions

Conversions Part 1

Format	Color
Hex	61E9FF
RGB	97, 233, 255
RGB Percent	38%, 91%, 100%
CMY	0.6196, 0.0863, 0.0000
CMYK	0.62, 0.09, 0.00, 0.00
HSL	188°, 100%, 69%
HSV	188°, 62%, 100%
XYZ	52.1187, 68.0392, 104.9937
YIQ	194.8440, -88.1180, -21.9900

Conversions

Conversions Part 2

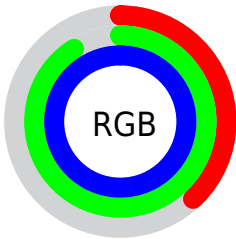
Format	Color
RYB	97, 170, 255
Decimal	6416895
CIELab	86.03, -30.52, -21.68
CIELCh	86, 37.436, 215.394
Yxy	68.0392, 0.2315, 0.3022
Android (android.graphics.Color)	4284606975 (0xFF61E9FF)
YUV	194.8440, 29.6569, -85.8092
Hunter-Lab	82.4859, -31.5651, -17.7283

Details

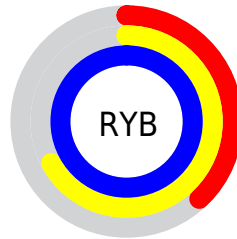
The XYZ color **52.1187, 68.0392, 104.9937** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.9956, 35.3182, 15.4935**, and the grayscale version is **51.6479, 54.3376, 59.1736**.

A 20% lighter version of the original color is **68.7103, 86.4214, 107.6673**, and **25.9152, 35.5215, 58.9165** is the 20% darker color. If you saturate the color by 10%, you get **48.8309, 64.8686, 104.5550**, and if you desaturate by 10%, it is **56.3034, 71.7051, 105.4807**.

Distribution



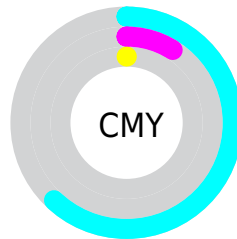
- Red (38%)
- Green (91%)
- Blue (100%)



- Red (38%)
- Yellow (67%)
- Blue (100%)



- Cyan (62%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1187, 68.0392, 104.9937 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 52.1187, 68.0392, 104.9937 by changing the saturation by 10% instead.

52.1187, 68.0392,
104.9937

52.1187, 68.0392,
104.9937

385.2111,
453.6349, 597.4699

37.3243, 49.9296,
79.8375

92.4795, 116.4082,
170.1144

25.6335, 35.3575,
59.0592

118.7766,
147.4365, 210.9160

16.6809, 23.9384,
42.2405

149.6387,
183.5397, 257.7697

10.1012, 15.2879,
28.9627

185.4311,
225.1024, 311.0941

5.5289, 9.0217,
18.8072

226.5192,
272.5088, 371.3078

2.5987, 4.7553,
11.3557

273.2683,

0.9453, 2.1044,

326.1434, 438.8293

6.1894

326.0439,
386.3907, 514.0772

■ 0.0000, 0.6671,
2.8900

■ 0.0000, 0.0000,
1.0387

■ 52.1187, 68.0392,
104.9937

■ 52.1187, 68.0392,
104.9937

■ 48.8309, 64.8686,
104.5550

■ 56.3034, 71.7051,
105.4807

■ 46.3471, 62.1409,
104.1594

■ 61.4551, 75.8981,
106.0185

■ 44.5640, 59.8042,
103.8023

■ 67.6431, 80.6559,
106.6107

■ 43.5114, 58.1429,
103.5371

■ 74.9289, 86.0100,
107.2602

■ 83.3691, 91.9900,
107.9696

■ 93.0162, 98.6231,
108.7414

■ 95.0500, 100.0000,
108.9000

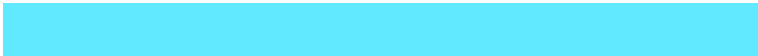
Harmonies

Analogous

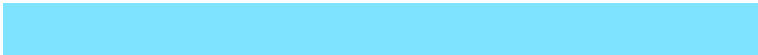
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.5811, 68.0392, 78.6187



52.1187, 68.0392, 104.9937



58.0334, 68.0392, 125.9443

Triad

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



52.1187, 68.0392, 104.9937



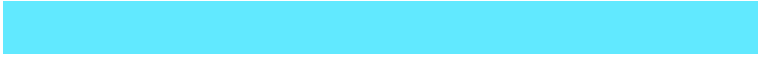
80.8770, 68.0392, 95.5742



63.1292, 68.0392, 36.2662

Complementary

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



52.1187, 68.0392, 104.9937



49.9956, 35.3182, 15.4935

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.



71.7925, 68.0392, 38.8637



52.1187, 68.0392, 104.9937



82.5443, 68.0392, 69.7254

Square

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



52.1187, 68.0392, 104.9937



74.7142, 68.0392, 119.7168



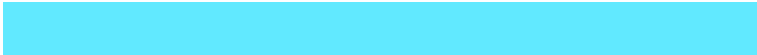
79.0883, 68.0392, 49.9261



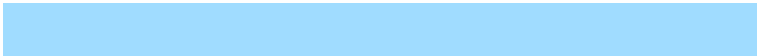
55.5675, 68.0392, 41.8280

Rectangle

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



52.1187, 68.0392, 104.9937



63.3519, 68.0392, 131.9374



79.0883, 68.0392, 49.9261



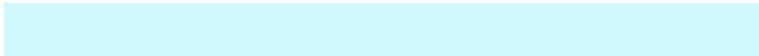
66.0046, 68.0392, 36.2311

Sweetspot

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



52.1206, 68.0416, 104.9940



77.3023, 87.7121, 107.4636



43.9652, 75.3717, 29.3937



16.0542, 18.4214, 22.9595



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.



52.1206, 68.0416, 104.9940



48.2611, 64.2769, 104.4708



34.6919, 33.1843, 99.1845



18.3266, 20.0247, 23.1492



22.8187, 30.5470, 54.1281



2.2785, 3.0878, 5.2892

Inverse Universe

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



60.2240, 35.6944, 80.8089



57.3107, 30.8335, 76.8606



63.3802, 62.0875, 19.9550



18.6775, 18.2543, 22.1847



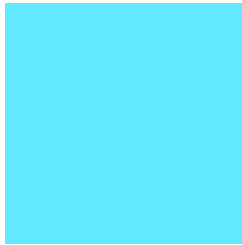
28.3060, 13.8117, 36.5916



2.7847, 1.3563, 3.7137

Previews

White Background



This preview shows how the XYZ color 52.1187, 68.0392, 104.9937 looks on a white background.

Color Contrast Check

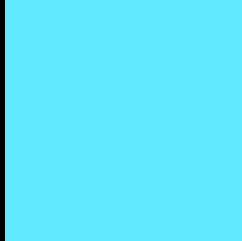
Large Text (above 18pt) WCAG AA × Fail

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 52.1187, 68.0392, 104.9937 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 52.1187, 68.0392, 104.9937

Background



This preview shows how black text looks on a background with the XYZ color 52.1187, 68.0392, 104.9937.

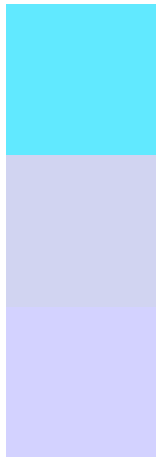


This preview shows how white text looks on a background with the XYZ color 52.1187, 68.0392,

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

52.1187, 68.0392, 104.9937

Protanopia

65.7152, 66.9932, 92.6865

Deuteranopia

67.9606, 67.1621, 103.9894



Tritanopia

51.5335, 67.7929, 102.4647

Trichromacy



Original Color

52.1187, 68.0392, 104.9937



Protanomaly

58.3762, 66.1651, 96.8832



Deuteranomaly

59.6990, 65.9089, 104.1830



Tritanomaly

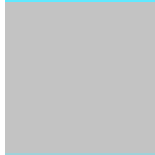
51.6924, 67.8565, 103.3016

Monochromacy



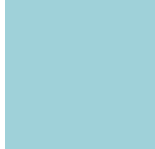
Original Color

52.1187, 68.0392, 104.9937



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.6229, 57.9816, 74.2218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1187, 68.0392, 104.9937 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(97, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 233, 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(97, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.1187, 68.0392, 104.9937 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(97, 233, 255) }
```


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

```
.border{ border-color:rgb(97, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1187, 68.0392, 104.9937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 233, 255) }
```

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

```
.background{ background-color: rgb(97, 233,  
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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