

Converting Colors

XYZ(74.5362, 79.1361,
226.4375)

Have a look what the booklet for
XYZ(74.5362, 79.1361, 226.4375)
contains.

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Color

**XYZ(51.5262, 69.8649,
105.3773)**

Conversions

Conversions Part 1

Format	Color
Hex	4BEEFF
RGB	75, 238, 255
RGB Percent	29%, 93%, 100%
CMY	0.7058, 0.0667, 0.0000
CMYK	0.71, 0.07, 0.00, 0.00
HSL	186°, 100%, 65%
HSV	186°, 71%, 100%
XYZ	51.5262, 69.8649, 105.3773
YIQ	191.2010, -102.6050, -29.2690

Conversions

Conversions Part 2

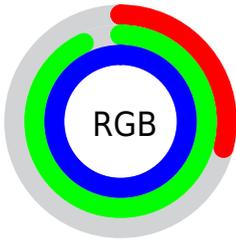
Format	Color
RYB	75, 161, 255
Decimal	4976383
CIELab	86.93, -35.97, -20.36
CIELCh	87, 41.337, 209.513
Yxy	69.8649, 0.2272, 0.3081
Android (android.graphics.Color)	4283166463 (0xFF4BEEFF)
YUV	191.2010, 31.4529, -101.9083
Hunter-Lab	83.5852, -36.2376, -16.2382

Details

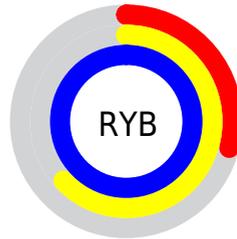
The XYZ color **51.5262, 69.8649, 105.3773** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **46.3384, 29.4240, 9.8959**, and the grayscale version is **49.5065, 52.0847, 56.7203**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **26.9210, 37.5331, 59.2518** is the 20% darker color. If you saturate the color by 10%, you get **49.2206, 67.6439, 105.0701**, and if you desaturate by 10%, it is **54.6437, 72.5213, 105.7257**.

Distribution



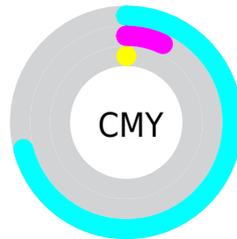
- Red (29%)
- Green (93%)
- Blue (100%)



- Red (29%)
- Yellow (63%)
- Blue (100%)



- Cyan (71%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5262, 69.8649, 105.3773 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 51.5262, 69.8649, 105.3773 by changing the saturation by 10% instead.

51.5262, 69.8649,
105.3773

51.5262, 69.8649,
105.3773

382.9588,
460.0755, 598.6919

36.8503, 51.4164,
80.1571

91.6105, 119.0161,
170.6435

25.2647, 36.5401,
59.3207

117.7496,
150.4875, 211.5265

16.4042, 24.8516,
42.4496

148.4404,
187.0688, 258.4676

9.9033, 15.9665,
29.1253

184.0484,
229.1442, 311.8852

5.3966, 9.5005,
18.9292

224.9389,
277.0982, 372.1979

2.5189, 5.0690,
11.4429

271.4772,

0.9048, 2.2878,

331.3151, 439.8242

6.2476

324.0287,
392.1794, 515.1827

■ 0.0000, 0.7673,
2.9250

■ 0.0000, 0.0000,
1.0565

■ 51.5262, 69.8649,
105.3773

■ 51.5262, 69.8649,
105.3773

■ 49.2206, 67.6439,
105.0701

■ 54.6437, 72.5213,
105.7257

■ 47.6190, 65.7983,
104.7983

■ 58.6526, 75.6497,
106.1183

■ 46.6035, 64.3269,
104.5678

■ 63.6291, 79.2910,
106.5588

■ 69.6397, 83.4794,
107.0505

■ 76.7451, 88.2464,
107.5961

■ 85.0012, 93.6207,
108.1983

94.4600, 99.6293,
108.8596

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.



49.5197, 69.8649, 75.6202



51.5262, 69.8649, 105.3773



57.4259, 69.8649, 131.6892

Triad

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



51.5262, 69.8649, 105.3773



83.7180, 69.8649, 106.3524



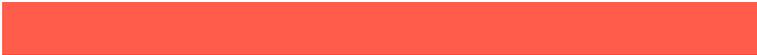
66.5623, 69.8649, 34.3353

Complementary

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



51.5262, 69.8649, 105.3773



46.3384, 29.4240, 9.8959

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.



76.2734, 69.8649, 38.8425



51.5262, 69.8649, 105.3773



86.7478, 69.8649, 76.5235

Square

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



51.5262, 69.8649, 105.3773



75.9742, 69.8649, 132.3414



83.9021, 69.8649, 52.7743



57.6742, 69.8649, 38.5547

Rectangle

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



51.5262, 69.8649, 105.3773



63.0832, 69.8649, 141.2261



83.9021, 69.8649, 52.7743



69.8404, 69.8649, 34.8593

Sweetspot

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



51.5281, 69.8674, 105.3777



76.4265, 88.0359, 107.5723



40.5086, 73.7547, 21.7765



15.9172, 18.5503, 22.9916



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.



51.5281, 69.8674, 105.3777



48.4330, 66.7858, 104.9460



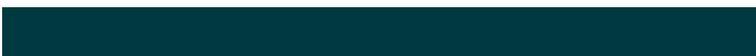
31.8601, 30.5314, 98.8217



18.3996, 20.1708, 23.1735



24.4115, 33.7326, 54.6590



2.4178, 3.3663, 5.3356

Inverse Universe

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



59.1900, 32.4671, 84.0386



56.8690, 28.6334, 80.7726



58.8327, 54.4128, 14.0607



18.7143, 18.2691, 22.3789



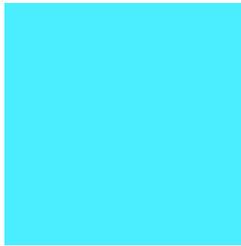
29.1100, 14.1333, 40.8253



2.8550, 1.3844, 4.0838

Previews

White Background



This preview shows how the XYZ color 51.5262, 69.8649, 105.3773 looks on a white background.

Color Contrast Check

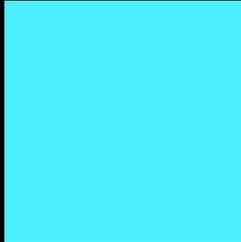
Large Text (above 18pt) WCAG AA × Fail

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 51.5262, 69.8649, 105.3773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

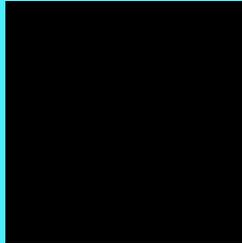
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.5262, 69.8649, 105.3773

Background



This preview shows how black text looks on a background with the XYZ color 51.5262, 69.8649, 105.3773.

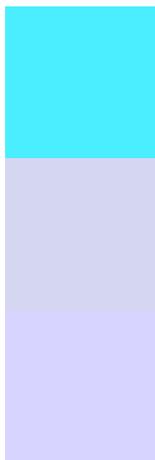


This preview shows how white text looks on a background with the XYZ color 51.5262, 69.8649,

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

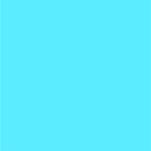
51.5262, 69.8649, 105.3773

Protanopia

67.2153, 68.5305, 92.1232

Deuteranopia

69.6178, 68.7540, 104.2093



Tritanopia

52.6486, 70.0125, 105.3466

Trichromacy



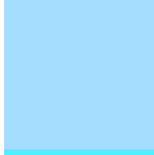
Original Color

51.5262, 69.8649, 105.3773



Protanomaly

57.9734, 67.1545, 96.2928



Deuteranomaly

59.2163, 66.8254, 104.3853



Tritanomaly

52.0805, 69.7197, 105.3201

Monochromacy



Original Color

51.5262, 69.8649, 105.3773



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

47.0879, 56.3564, 72.0144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5262, 69.8649, 105.3773 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(75, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(75, 238, 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(75, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.5262, 69.8649, 105.3773 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(75, 238, 255) }
```

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

```
.border{ border-color:rgb(75, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5262, 69.8649, 105.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 238, 255) }
```

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

```
.background{ background-color: rgb(75, 238,  
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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