

Converting Colors

XYZ(59.6077, 69.0878,
136.9358)

Have a look what the booklet for
XYZ(59.6077, 69.0878, 136.9358)
contains.

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Color

**XYZ(53.5391, 66.6999,
104.6603)**

Conversions

Conversions Part 1

Format	Color
Hex	78E4FF
RGB	120, 228, 255
RGB Percent	47%, 89%, 100%
CMY	0.5294, 0.1059, 0.0000
CMYK	0.53, 0.11, 0.00, 0.00
HSL	192°, 100%, 74%
HSV	192°, 53%, 100%
XYZ	53.5391, 66.6999, 104.6603
YIQ	198.7860, -73.0350, -14.4990

Conversions

Conversions Part 2

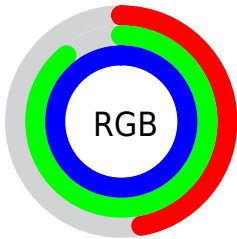
Format	Color
R_{YB}	120, 180, 255
Decimal	7922943
CIE _{Lab}	85.35, -23.93, -22.64
CIE _{LCh}	85, 32.938, 223.409
Yxy	66.6999, 0.2381, 0.2966
Android (android.graphics.Color)	4286113023 (0xFF78E4FF)
YUV	198.7860, 27.7135, -69.0953
Hunter-Lab	81.6700, -25.9061, -18.8113

Details

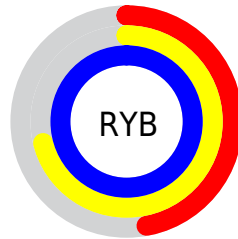
The XYZ color **53.5391, 66.6999, 104.6603** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **55.0646, 43.4844, 23.2623**, and the grayscale version is **54.0252, 56.8387, 61.8974**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **26.4138, 34.3391, 58.6620** is the 20% darker color. If you saturate the color by 10%, you get **49.0802, 62.3507, 104.0558**, and if you desaturate by 10%, it is **58.9846, 71.6221, 105.3234**.

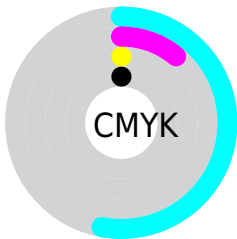
Distribution



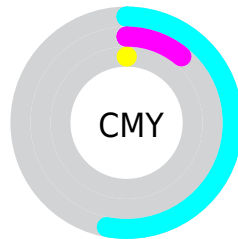
- Red (47%)
- Green (89%)
- Blue (100%)



- Red (47%)
- Yellow (71%)
- Blue (100%)



- Cyan (53%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5391, 66.6999, 104.6603 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 53.5391, 66.6999, 104.6603 by changing the saturation by 10% instead.

53.5391, 66.6999,
104.6603

53.5391, 66.6999,
104.6603

390.5771,
448.8758, 596.4067

38.4625, 48.8408,
79.5597

94.5580, 114.4903,
169.6544

26.5207, 34.4932,
58.8321

121.2311,
145.1904, 210.3850

17.3483, 23.2727,
42.0588

152.5004,
180.9395, 257.1628

10.5800, 14.7950,
28.8215

188.7312,
222.1222, 310.4061

5.8504, 8.6757,
18.7014

230.2889,
269.1228, 370.5337

2.7941, 4.5302,
11.2801

277.5389,

1.0458, 1.9744,

322.3256, 437.9639

6.1390

330.8465,
382.1152, 513.1154

■ 0.0000, 0.5925,
2.8596

■ 0.0000, 0.0000,
1.0234

■ 53.5391, 66.6999,
104.6603

■ 53.5391, 66.6999,
104.6603

■ 49.0802, 62.3507,
104.0558

■ 58.9846, 71.6221,
105.3234

■ 45.5254, 58.5269,
103.5051

■ 65.4795, 77.1458,
106.0472

■ 42.7877, 55.1849,
103.0043

■ 73.0879, 83.3060,
106.8353

■ 40.7594, 52.2683,
102.5483

■ 81.8671, 90.1327,
107.6902

■ 39.6440, 50.4079,
102.2480

■ 91.8702, 97.6538,
108.6147

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.



50.4455, 66.6999, 82.5709



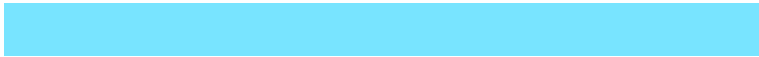
53.5391, 66.6999, 104.6603



59.3892, 66.6999, 119.5210

Triad

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



53.5391, 66.6999, 104.6603



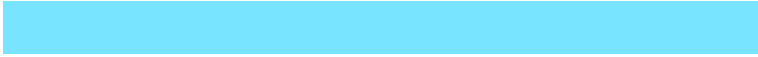
78.1559, 66.6999, 84.9937



60.1287, 66.6999, 39.5535

Complementary

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



53.5391, 66.6999, 104.6603



55.0646, 43.4844, 23.2623

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.



67.5796, 66.6999, 39.9485



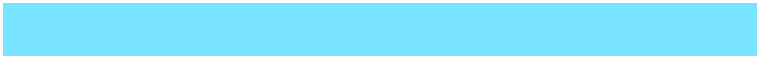
53.5391, 66.6999, 104.6603



78.3931, 66.6999, 63.5114

Square

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



53.5391, 66.6999, 104.6603



73.7699, 66.6999, 106.7311



74.3946, 66.6999, 47.9007



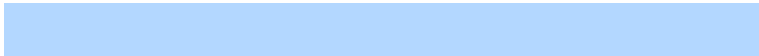
54.0437, 66.6999, 46.6893

Rectangle

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



53.5391, 66.6999, 104.6603



64.2528, 66.6999, 121.8175



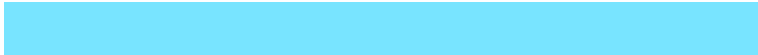
74.3946, 66.6999, 47.9007



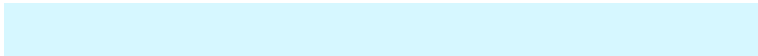
62.5474, 66.6999, 38.8595

Sweetspot

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



53.5410, 66.7023, 104.6607



79.0520, 87.9704, 107.4212



48.5985, 77.5503, 39.0964



16.5288, 18.5258, 22.9546



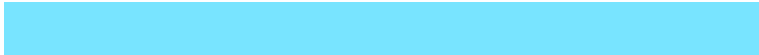
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.5410, 66.7023, 104.6607



48.6615, 61.9206, 103.9949



38.8501, 37.3206, 99.7637



18.2282, 19.8279, 23.1164



20.8233, 26.5562, 53.4629



2.1022, 2.7351, 5.2304

Inverse Universe

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



61.9613, 40.2960, 77.9136



58.2834, 34.1731, 72.8868



68.2370, 69.8292, 27.6531



18.6278, 18.2344, 21.9232



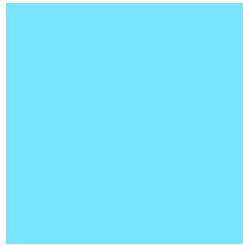
27.2988, 13.4088, 31.2879



2.6957, 1.3207, 3.2449

Previews

White Background



This preview shows how the XYZ color 53.5391, 66.6999, 104.6603 looks on a white background.

Color Contrast Check

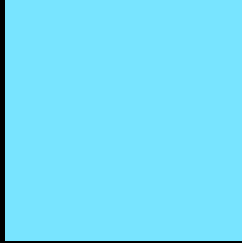
Large Text (above 18pt) WCAG AA × Fail

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 53.5391, 66.6999, 104.6603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

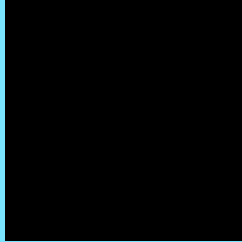
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.5391, 66.6999, 104.6603

Background



This preview shows how black text looks on a background with the XYZ color 53.5391, 66.6999, 104.6603.

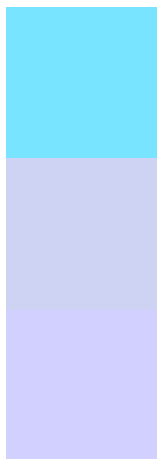


This preview shows how white text looks on a background with the XYZ color 53.5391, 66.6999,

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

53.5391, 66.6999, 104.6603

Protanopia

64.6779, 65.6861, 94.0638

Deuteranopia

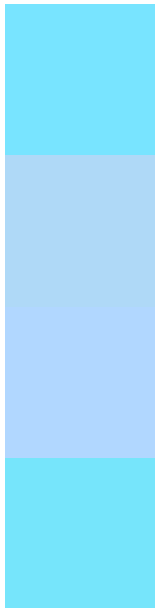
66.9004, 65.8871, 103.7992



Tritanopia

52.2987, 66.5978, 98.9052

Trichromacy



Original Color

53.5391, 66.6999, 104.6603

Protanomaly

59.2806, 65.4551, 97.5054

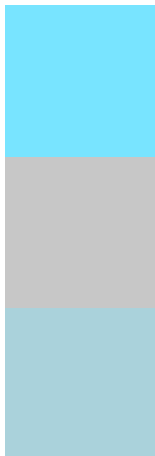
Deuteranomaly

60.4819, 65.1680, 103.9987

Tritanomaly

52.9031, 66.8552, 101.3828

Monochromacy



Original Color

53.5391, 66.6999, 104.6603

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

52.4103, 59.7537, 75.7891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5391, 66.6999, 104.6603 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(120, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 228, 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(120, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.5391, 66.6999, 104.6603 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(120, 228, 255) }
```


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

```
.border{ border-color:rgb(120, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 228, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 228, 255); box-shadow:4px 4px 4px 4px rgb(120, 228, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5391, 66.6999, 104.6603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 228, 255) }
```

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

```
.background{ background-color: rgb(120,  
228, 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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