

Converting Colors

XYZ(53.3303, 76.6862,
106.5989)

Have a look what the booklet for
XYZ(53.3303, 76.6862, 106.5989)
contains.

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Color

**XYZ(53.2747, 76.5894,
106.5831)**

Conversions

Conversions Part 1

Format	Color
Hex	24FBFF
RGB	36, 251, 255
RGB Percent	14%, 98%, 100%
CMY	0.8587, 0.0157, 0.0000
CMYK	0.86, 0.02, 0.00, 0.00
HSL	181°, 100%, 57%
HSV	181°, 86%, 100%
XYZ	53.2747, 76.5894, 106.5831
YIQ	187.1710, -129.4240, -44.3360

Conversions

Conversions Part 2

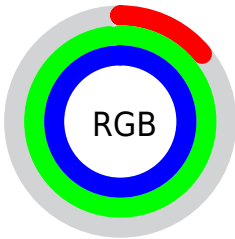
Format	Color
R _Y B	36, 144, 255
Decimal	2423807
CIE Lab	90.13, -45.21, -15.60
CIE LCh	90, 47.827, 199.030
Yxy	76.5894, 0.2253, 0.3239
Android (android.graphics.Color)	4280613887 (0xFF24FBFF)
YUV	187.1710, 33.4397, -132.5770
Hunter-Lab	87.5154, -44.4906, -10.9473

Details

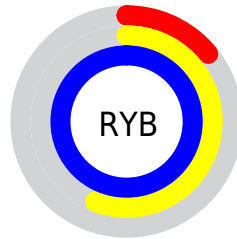
The XYZ color **53.2747, 76.5894, 106.5831** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.3184, 22.9067, 3.8622**, and the grayscale version is **47.2053, 49.6637, 54.0837**.

A 20% lighter version of the original color is **62.7121, 83.3292, 107.3866**, and **29.4848, 42.6608, 60.1064** is the 20% darker color. If you saturate the color by 10%, you get **52.5349, 75.9941, 106.5072**, and if you desaturate by 10%, it is **54.6509, 77.5166, 106.6895**.

Distribution



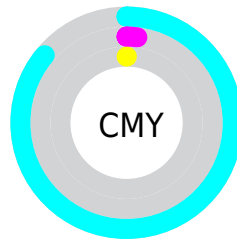
- Red (14%)
- Green (98%)
- Blue (100%)



- Red (14%)
- Yellow (56%)
- Blue (100%)



- Cyan (86%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (86%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2747, 76.5894, 106.5831 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 53.2747, 76.5894, 106.5831 by changing the saturation by 10% instead.


 53.2747, 76.5894,
106.5831


 53.2747, 76.5894,
106.5831


389.5818,
483.3629, 602.5248


 38.2505, 56.9159,
81.1622


 94.1716, 128.5597,
172.3053


 26.3552, 40.9378,
60.1434


 120.7750,
161.6254, 213.4438

 17.2237, 28.2705,
43.1082


 151.9688,
199.9239, 260.6585

 10.4904, 18.5296,
29.6380

 188.1184,
243.8396, 314.3680

 5.7900, 11.3309,
19.3143

229.5892,
293.7570, 374.9908

 2.7573, 6.2899,
11.7185

276.7464,

 1.0267, 3.0221,

350.0604, 442.9455

6.4321

329.9555,
413.1343, 518.6507

■ 0.0000, 1.1433,
3.0365

■ 0.0000, 0.0146,
1.1133

■ 53.2747, 76.5894,
106.5831

■ 53.2747, 76.5894,
106.5831

■ 52.5349, 75.9941,
106.5072

■ 54.6509, 77.5166,
106.6895

■ 52.3432, 75.8065,
106.4811

■ 56.7727, 78.8271,
106.8307

■ 59.7354, 80.5715,
107.0112

■ 63.6183, 82.7910,
107.2350

■ 68.4920, 85.5217,
107.5052

■ 74.4199, 88.7964,
107.8248

■ 81.4603, 92.6451,
108.1966

■ 89.6670, 97.0957,
108.6231

■ 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.



52.6029, 76.5894, 71.5586



53.2747, 76.5894, 106.5831



58.8286, 76.5894, 143.1503

Triad

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



53.2747, 76.5894, 106.5831



91.4322, 76.5894, 134.0328



77.2276, 76.5894, 34.2614

Complementary

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



53.2747, 76.5894, 106.5831



42.3184, 22.9067, 3.8622

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.



88.8156, 76.5894, 43.1228



53.2747, 76.5894, 106.5831



97.5902, 76.5894, 96.4648

Square

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



53.2747, 76.5894, 106.5831



80.4975, 76.5894, 161.7401



96.5837, 76.5894, 63.8368



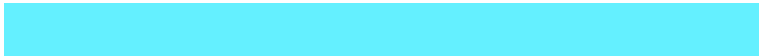
65.6020, 76.5894, 35.5931

Rectangle

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



53.2747, 76.5894, 106.5831



64.9269, 76.5894, 160.5658



96.5837, 76.5894, 63.8368



81.2764, 76.5894, 36.0238

Sweetspot

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



53.2768, 76.5921, 106.5835



74.3371, 88.7509, 107.8204



36.8660, 72.0465, 13.9421



15.4464, 18.7405, 23.0531



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.



53.2768, 76.5921, 106.5835



52.3432, 75.8065, 106.4811



28.4312, 26.9010, 98.3017



18.5248, 20.4212, 23.2153



27.3634, 39.6364, 55.6430



2.6730, 3.8767, 5.4207

Inverse Universe

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



59.2848, 29.4886, 93.8369



58.5496, 28.1839, 93.0814



52.3321, 42.9340, 7.2001



18.7775, 18.2943, 22.7116



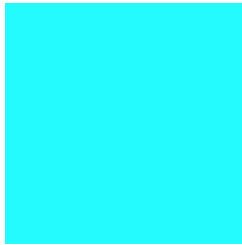
30.6000, 14.7293, 48.6714



2.9838, 1.4359, 4.7622

Previews

White Background



This preview shows how the XYZ color 53.2747, 76.5894, 106.5831 looks on a white background.

Color Contrast Check

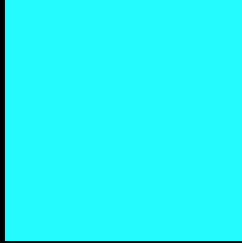
Large Text (above 18pt) WCAG AA × Fail

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 53.2747, 76.5894, 106.5831 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

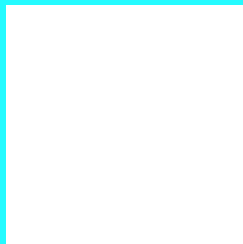
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.2747, 76.5894, 106.5831

Background



This preview shows how black text looks on a background with the XYZ color 53.2747, 76.5894, 106.5831.

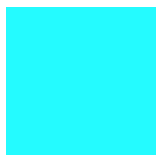


This preview shows how white text looks on a background with the XYZ color 53.2747, 76.5894,

Color Blindness Simulation

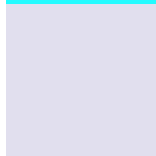
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

53.2747, 76.5894, 106.5831



Protanopia

72.8716, 74.9560, 91.5161



Deuteranopia

75.6381, 74.9004, 105.0784



Tritanopia

60.8330, 75.9702, 106.0652

Trichromacy



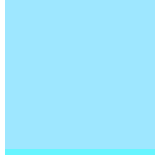
Original Color

53.2747, 76.5894, 106.5831



Protanomaly

59.1783, 71.8774, 96.3426



Deuteranomaly

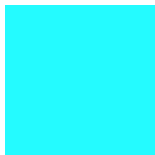
60.7265, 71.6409, 105.2352



Tritanomaly

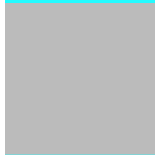
56.4113, 75.4679, 106.2013

Monochromacy



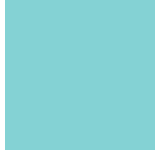
Original Color

53.2747, 76.5894, 106.5831



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.4460, 55.7522, 70.7061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2747, 76.5894, 106.5831 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(36, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(36, 251, 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(36, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 251, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.2747, 76.5894, 106.5831 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(36, 251, 255) }
```


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

```
.border{ border-color:rgb(36, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(36, 251,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2747, 76.5894, 106.5831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 251, 255) }
```

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

```
.background{ background-color: rgb(36, 251,  
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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