

Converting Colors

XYZ(53.2731, 78.6830, 97.0166)

Have a look what the booklet for
XYZ(53.2731, 78.6830, 97.0166)
contains.

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Color

**XYZ(53.3029, 78.6949,
97.1743)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFF3
RGB	51, 255, 243
RGB Percent	20%, 100%, 95%
CMY	0.7999, 0.0000, 0.0471
CMYK	0.80, 0.00, 0.05, 0.00
HSL	176°, 100%, 60%
HSV	176°, 80%, 100%
XYZ	53.3029, 78.6949, 97.1743
YIQ	192.6360, -117.7320, -46.9800

Conversions

Conversions Part 2

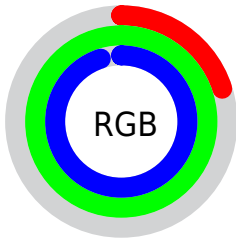
Format	Color
R_{YB}	51, 156, 255
Decimal	3407859
CIE _{Lab}	91.10, -49.29, -7.91
CIE _{LCh}	91, 49.925, 189.115
Yxy	78.6949, 0.2326, 0.3434
Android (android.graphics.Color)	4281597939 (0xFF33FFF3)
YUV	192.6360, 24.8295, -124.2148
Hunter-Lab	88.7101, -47.9882, -2.8500

Details

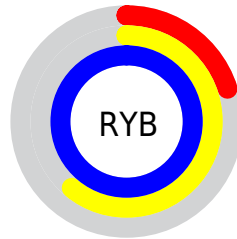
The XYZ color **53.3029, 78.6949, 97.1743** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.3221, 23.9881, 7.0516**, and the grayscale version is **50.3859, 53.0099, 57.7278**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **28.9359, 43.5204, 53.8889** is the 20% darker color. If you saturate the color by 10%, you get **52.1260, 78.1142, 95.9429**, and if you desaturate by 10%, it is **55.1871, 79.6399, 98.4513**.

Distribution



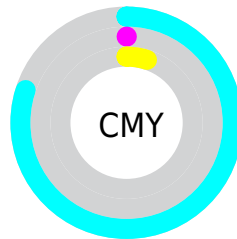
- Red (20%)
- Green (100%)
- Blue (95%)



- Red (20%)
- Yellow (61%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.3029, 78.6949, 97.1743 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 53.3029, 78.6949, 97.1743 by changing the saturation by 10% instead.


 53.3029, 78.6949,
97.1743


 53.3029, 78.6949,
97.1743


389.6880,
490.5236, 572.2638


 38.2731, 58.6450,
73.3391


 94.2128, 131.5293,
159.2864


 26.3729, 42.3274,
53.7598


 120.8237,
165.0825, 198.4004

 17.2369, 29.3577,
38.0178


 152.0255,
203.9056, 243.4444

 10.4999, 19.3516,
25.6945

 188.1838,
248.3831, 294.8370

 5.7965, 11.9246,
16.3716

229.6638,
298.8992, 352.9967

 2.7612, 6.6924,
9.6303

276.8310,

 1.0288, 3.2705,

355.8384, 418.3420

5.0521

330.0506,
419.5850, 491.2915

0.0000, 1.2745,
2.2186

0.0000, 0.1213,
0.6851

53.3029, 78.6949,
97.1743

53.3029, 78.6949,
97.1743

52.1260, 78.1142,
95.9429

55.1871, 79.6399,
98.4513

51.4887, 77.8115,
94.7450

57.8761, 80.9997,
99.7742

51.4883, 77.8113,
94.7443

61.4555, 82.8182,
101.1484

65.9990, 85.1335,
102.5776

■ 71.5729, 87.9798,
104.0647

■ 78.2372, 91.3880,
105.6125

■ 86.0477, 95.3869,
107.2239

■ 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.



54.3371, 78.6949, 63.2197



53.3029, 78.6949, 97.1743



57.5036, 78.6949, 137.4383

Triad

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



53.3029, 78.6949, 97.1743



91.1760, 78.6949, 151.7152



83.7865, 78.6949, 35.7715

Complementary

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



53.3029, 78.6949, 97.1743



43.3221, 23.9881, 7.0516

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.



95.2508, 78.6949, 48.8915



53.3029, 78.6949, 97.1743



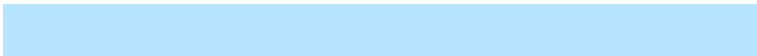
99.8394, 78.6949, 112.9275

Square

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



53.3029, 78.6949, 97.1743



78.7080, 78.6949, 174.2616



101.4090, 78.6949, 75.1397



71.0181, 78.6949, 33.7504

Rectangle

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



53.3029, 78.6949, 97.1743



63.0186, 78.6949, 160.2440



101.4090, 78.6949, 75.1397



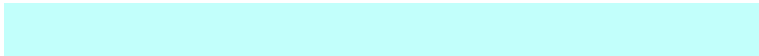
87.9589, 78.6949, 38.8080

Sweetspot

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



53.3040, 78.6954, 97.1758



75.4326, 89.9532, 104.9849



38.5125, 72.8699, 15.1693



15.6443, 18.9973, 22.3534



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.



53.3040, 78.6954, 97.1758



51.7053, 77.9129, 95.2205



33.1629, 35.4179, 99.6962



18.5060, 20.4619, 22.9675



26.9237, 40.6661, 49.6108



2.6349, 3.9649, 4.9014

Inverse Universe

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



43.3221, 23.9881, 7.0516



41.5219, 21.5499, 2.8683



51.1299, 40.0831, 8.1758



18.0527, 18.0044, 18.8946



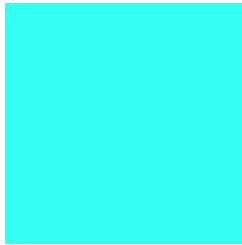
21.6106, 11.1336, 1.3342



2.1187, 1.0898, 0.2064

Previews

White Background



This preview shows how the XYZ color 53.3029, 78.6949, 97.1743 looks on a white background.

Color Contrast Check

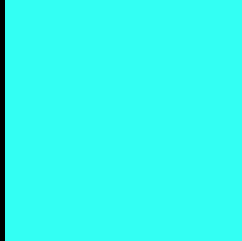
Large Text (above 18pt) WCAG AA × Fail

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 53.3029, 78.6949, 97.1743 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

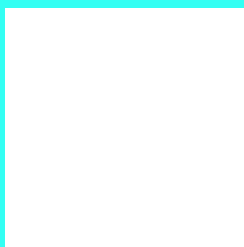
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.3029, 78.6949, 97.1743

Background



This preview shows how black text looks on a background with the XYZ color 53.3029, 78.6949, 97.1743.

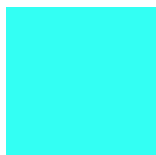


This preview shows how white text looks on a background with the XYZ color 53.3029, 78.6949,

Color Blindness Simulation

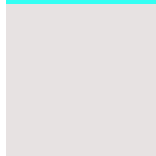
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



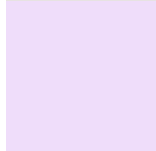
Original Color

53.3029, 78.6949, 97.1743



Protanopia

73.8788, 76.8726, 82.8956



Deuteranopia

78.7084, 76.9658, 101.1500



Tritanopia

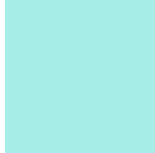
63.7068, 77.8924, 106.2848

Trichromacy



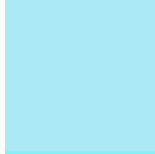
Original Color

53.3029, 78.6949, 97.1743



Protanomaly

60.5756, 74.5016, 87.5315



Deuteranomaly

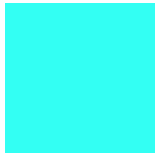
62.7220, 73.6512, 98.9060



Tritanomaly

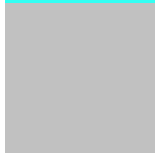
58.1446, 77.3381, 103.1300

Monochromacy



Original Color

53.3029, 78.6949, 97.1743



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

47.2982, 59.4776, 70.6155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3029, 78.6949, 97.1743 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(51, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 243)  
}
```

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(51, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 53.3029, 78.6949, 97.1743 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(51, 255, 243) }
```


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

```
.border{ border-color:rgb(51, 255, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3029, 78.6949, 97.1743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 243) }
```

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

```
.background{ background-color: rgb(51, 255,  
243) }
```

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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