

Converting Colors

XYZ(53.2747, 78.5990,
100.8497)

Have a look what the booklet for
XYZ(53.2747, 78.5990, 100.8497)
contains.

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Color

**XYZ(53.3305, 78.6206,
101.1714)**

Conversions

Conversions Part 1

Format	Color
Hex	21FFF8
RGB	33, 255, 248
RGB Percent	13%, 100%, 97%
CMY	0.8705, 0.0000, 0.0274
CMYK	0.87, 0.00, 0.03, 0.00
HSL	178°, 100%, 56%
HSV	178°, 87%, 100%
XYZ	53.3305, 78.6206, 101.1714
YIQ	187.8240, -130.0650, -49.2410

Conversions

Conversions Part 2

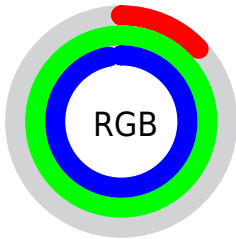
Format	Color
R_{YB}	33, 146, 255
Decimal	2228216
CIE _{Lab}	91.06, -49.08, -10.57
CIE _{LCh}	91, 50.204, 192.156
Yxy	78.6206, 0.2288, 0.3373
Android (android.graphics.Color)	4280418296 (0xFF21FFF8)
YUV	187.8240, 29.6668, -135.7806
Hunter-Lab	88.6683, -47.8087, -5.5827

Details

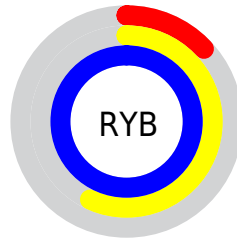
The XYZ color **53.3305, 78.6206, 101.1714** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.1682, 22.5028, 4.1310**, and the grayscale version is **47.5947, 50.0733, 54.5299**.

A 20% lighter version of the original color is **62.5624, 83.2520, 107.3796**, and **29.4807, 43.7383, 56.7577** is the 20% darker color. If you saturate the color by 10%, you get **52.6733, 78.2962, 100.4923**, and if you desaturate by 10%, it is **54.6045, 79.2629, 101.8851**.

Distribution



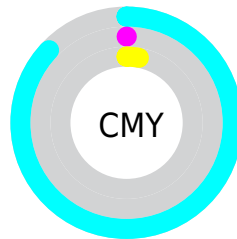
- Red (13%)
- Green (100%)
- Blue (97%)



- Red (13%)
- Yellow (57%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (87%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.3305, 78.6206, 101.1714 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 53.3305, 78.6206, 101.1714 by changing the saturation by 10% instead.


 53.3305, 78.6206,
101.1714


 53.3305, 78.6206,
101.1714


389.7920,
490.2719, 585.2205


 38.2952, 58.5839,
76.6569


 94.2532, 131.4246,
164.8319


 26.3901, 42.2783,
56.4614


 120.8713,
164.9607, 204.8150

 17.2499, 29.3192,
40.1665


 152.0810,
203.7654, 250.7913

 10.5093, 19.3225,
27.3536

 188.2478,
248.2232, 303.1794

 5.8027, 11.9035,
17.6042

229.7369,
298.7183, 362.3978

 2.7650, 6.6780,
10.4997

276.9137,

 1.0308, 3.2616,

355.6352, 428.8651

5.6216

330.1436,
419.3583, 502.9998

■ 0.0000, 1.2698,
2.5513

■ 0.0000, 0.1176,
0.8672

■ 53.3305, 78.6206,
101.1714

■ 53.3305, 78.6206,
101.1714

■ 52.6733, 78.2962,
100.4923

■ 54.6045, 79.2629,
101.8851

■ 52.5424, 78.2330,
100.2948

■ 56.6130, 80.2839,
102.6344

■ 59.4523, 81.7330,
103.4255

■ 63.2034, 83.6521,
104.2620

67.9375, 86.0780,
105.1474

73.7188, 89.0436,
106.0846

80.6061, 92.5793,
107.0763

88.6539, 96.7132,
108.1252

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.



53.8322, 78.6206, 65.9360



53.3305, 78.6206, 101.1714



58.0658, 78.6206, 141.5606

Triad

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



53.3305, 78.6206, 101.1714



92.3193, 78.6206, 148.5245



82.4516, 78.6206, 34.8449

Complementary

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



53.3305, 78.6206, 101.1714



42.1682, 22.5028, 4.1310

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.



94.3035, 78.6206, 46.7626



53.3305, 78.6206, 101.1714



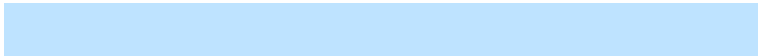
100.4291, 78.6206, 108.8403

Square

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



53.3305, 78.6206, 101.1714



79.9808, 78.6206, 173.6487



101.1937, 78.6206, 71.7223



69.7075, 78.6206, 33.8690

Rectangle

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



53.3305, 78.6206, 101.1714



63.9046, 78.6206, 163.4084



101.1937, 78.6206, 71.7223



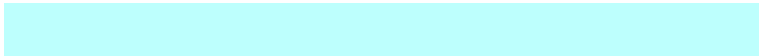
86.7061, 78.6206, 37.5059

Sweetspot

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



53.3317, 78.6212, 101.1729



74.3872, 89.3866, 106.1858



36.9268, 72.0897, 13.4095



15.4585, 18.8946, 22.6569



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.



53.3317, 78.6212, 101.1729



52.5424, 78.2330, 100.2948



29.8115, 29.8105, 98.7905



18.5287, 20.4710, 23.0869



27.4656, 40.8828, 52.4646



2.6817, 3.9836, 5.1477

Inverse Universe

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



42.1682, 22.5028, 4.1310



41.2840, 21.2776, 2.1619



50.4061, 39.1523, 6.3415



18.0326, 17.9963, 18.7888



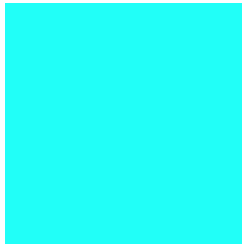
21.5818, 11.1220, 1.1824



2.1091, 1.0860, 0.1562

Previews

White Background



This preview shows how the XYZ color 53.3305, 78.6206, 101.1714 looks on a white background.

Color Contrast Check

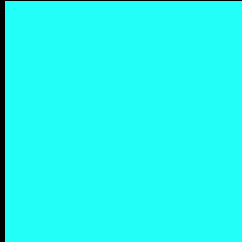
Large Text (above 18pt) WCAG AA × Fail

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 53.3305, 78.6206, 101.1714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

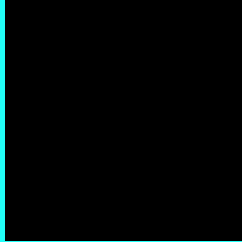
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.3305, 78.6206, 101.1714

Background



This preview shows how black text looks on a background with the XYZ color 53.3305, 78.6206, 101.1714.



This preview shows how white text looks on a background with the XYZ color 53.3305, 78.6206,

Color Blindness Simulation

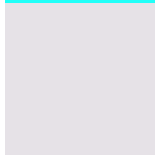
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



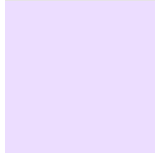
Original Color

53.3305, 78.6206, 101.1714



Protanopia

74.2533, 76.9852, 86.5474



Deuteranopia

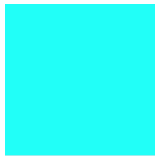
78.4985, 76.7658, 105.2877



Tritanopia

63.5124, 77.7922, 106.2757

Trichromacy



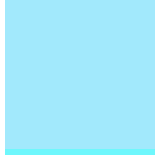
Original Color

53.3305, 78.6206, 101.1714



Protanomaly

59.6708, 73.9519, 91.2499



Deuteranomaly

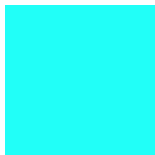
61.6099, 72.9875, 102.9363



Tritanomaly

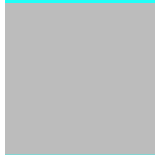
57.3870, 76.9293, 103.9197

Monochromacy



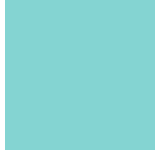
Original Color

53.3305, 78.6206, 101.1714



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.6921, 56.6456, 69.5509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3305, 78.6206, 101.1714 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(33, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(33, 255, 248)  
}
```

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(33, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 255, 248) }
```

Border

The CSS property to change the border of an element to XYZ 53.3305, 78.6206, 101.1714 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(33, 255, 248) }
```


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

```
.border{ border-color:rgb(33, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(33, 255,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3305, 78.6206, 101.1714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 255, 248) }
```

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

```
.background{ background-color: rgb(33, 255,  
248) }
```

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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