

Converting Colors

XYZ(53.6615, 79.3136, 77.5898)

Have a look what the booklet for
XYZ(53.6615, 79.3136, 77.5898)
contains.

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Color

**XYZ(53.6342, 79.3026,
77.4459)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFD8
RGB	102, 255, 216
RGB Percent	40%, 100%, 85%
CMY	0.6000, 0.0000, 0.1529
CMYK	0.60, 0.00, 0.15, 0.00
HSL	165°, 100%, 70%
HSV	165°, 60%, 100%
XYZ	53.6342, 79.3026, 77.4459
YIQ	204.8070, -78.6690, -44.5650

Conversions

Conversions Part 2

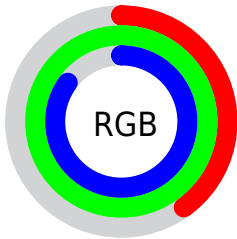
Format	Color
RYB	102, 190, 255
Decimal	6750168
CIELab	91.37, -49.63, 6.59
CIElCh	91, 50.064, 172.432
Yxy	79.3026, 0.2549, 0.3769
Android (android.graphics.Color)	4284940248 (0xFF66FFD8)
YUV	204.8070, 5.5181, -90.1617
Hunter-Lab	89.0520, -48.3341, 10.7736

Details

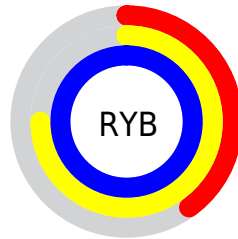
The XYZ color **53.6342, 79.3026, 77.4459** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **50.8000, 32.6871, 28.8327**, and the grayscale version is **57.9082, 60.9239, 66.3461**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **26.4744, 42.5444, 40.5348** is the 20% darker color. If you saturate the color by 10%, you get **50.3518, 77.7057, 72.9930**, and if you desaturate by 10%, it is **57.8402, 81.3719, 82.1184**.

Distribution



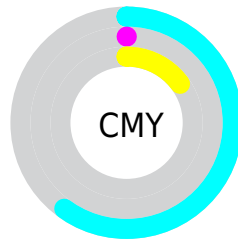
- Red (40%)
- Green (100%)
- Blue (85%)



- Red (40%)
- Yellow (75%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.6342, 79.3026, 77.4459 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 53.6342, 79.3026, 77.4459 by changing the saturation by 10% instead.


 53.6342, 79.3026,
77.4459


 53.6342, 79.3026,
77.4459


390.9347,
492.5794, 505.7610


 38.5388, 59.1446,
57.1052


 94.6970, 132.3848,
131.5475

 26.5802, 42.7296,
40.6798


 121.3951,
166.0778, 166.1454

 17.3932, 29.6730,
27.7511


 152.6914,
205.0512, 206.3328

 10.6122, 19.5905,
17.9007

188.9514,
249.6896, 252.5282

 5.8721, 12.0977,
10.7100

230.5404,
300.3772, 305.1502

 2.8074, 6.8103,
5.7605

277.8237,

 1.0527, 3.3437,

357.4984, 364.6173

2.6336

331.1667,
421.4377, 431.3481

■ 0.0000, 1.3137,
0.9097

■ 0.0000, 0.1518,
0.0000

■ 53.6342, 79.3026,
77.4459

■ 53.6342, 79.3026,
77.4459

■ 50.3518, 77.7057,
72.9930

■ 57.8402, 81.3719,
82.1184

■ 47.9053, 76.5359,
68.7493

■ 63.0411, 83.9501,
87.0115

■ 46.1946, 75.7416,
64.7097

■ 69.3045, 87.0722,
92.1318

■ 45.0546, 75.2379,
60.8643

■ 76.6908, 90.7691,
97.4839

■ 45.0544, 75.2377,
60.8634

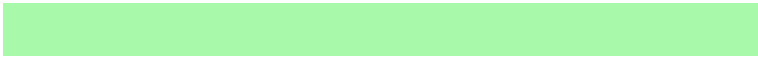
■ 85.2561, 95.0699,
103.0724

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.



57.6012, 79.3026, 50.2908



53.6342, 79.3026, 77.4459



54.9503, 79.3026, 115.9326

Triad

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



53.6342, 79.3026, 77.4459



85.0994, 79.3026, 168.6351



91.2937, 79.3026, 41.8721

Complementary

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



53.6342, 79.3026, 77.4459



50.8000, 32.6871, 28.8327

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.



100.3207, 79.3026, 62.2788



53.6342, 79.3026, 77.4459



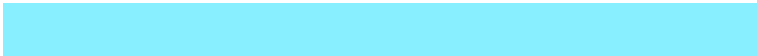
96.4731, 79.3026, 136.4882

Square

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



53.6342, 79.3026, 77.4459



72.1990, 79.3026, 176.0708



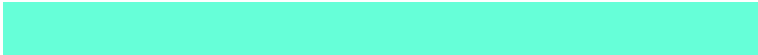
102.3155, 79.3026, 95.9054



78.6422, 79.3026, 33.8562

Rectangle

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



53.6342, 79.3026, 77.4459



58.7239, 79.3026, 142.7630



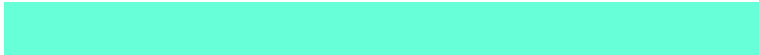
102.3155, 79.3026, 95.9054



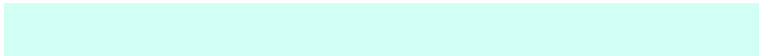
94.9084, 79.3026, 47.1804

Sweetspot

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



53.6351, 79.3031, 77.4473



78.3058, 91.5791, 98.5812



49.4524, 78.3016, 25.0793



16.2605, 19.3509, 20.7590



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.



53.6351, 79.3031, 77.4473



49.7978, 77.4387, 72.1265



48.9404, 60.8656, 103.7765



18.3454, 20.3977, 22.1220



23.6055, 39.3388, 32.1377



2.3426, 3.8480, 3.3618

Inverse Universe

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



50.8000, 32.6871, 28.8327



46.8006, 27.1303, 19.9717



52.6847, 40.3118, 17.5761



18.1993, 18.0630, 19.6668



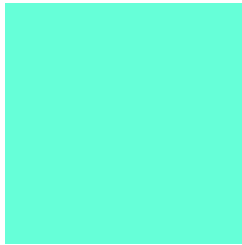
22.0979, 11.3284, 3.9000



2.1935, 1.1198, 0.6006

Previews

White Background



This preview shows how the XYZ color 53.6342, 79.3026, 77.4459 looks on a white background.

Color Contrast Check

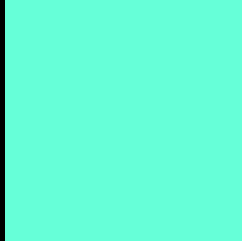
Large Text (above 18pt) WCAG AA × Fail

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 53.6342, 79.3026, 77.4459 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 53.6342, 79.3026, 77.4459

Background



This preview shows how black text looks on a background with the XYZ color 53.6342, 79.3026, 77.4459.

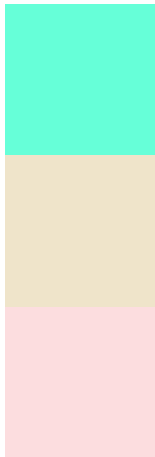


This preview shows how white text looks on a background with the XYZ color 53.6342, 79.3026,

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

53.6342, 79.3026, 77.4459

Protanopia

74.0007, 78.1018, 67.0520

Deuteranopia

79.3206, 77.7361, 80.6360



Tritanopia

65.6537, 78.4554, 106.2908

Trichromacy



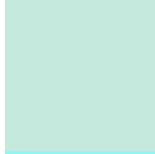
Original Color

53.6342, 79.3026, 77.4459



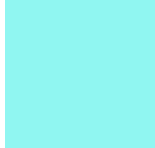
Protanomaly

62.8233, 76.4729, 70.4811



Deuteranomaly

65.0831, 75.3155, 78.8172



Tritanomaly

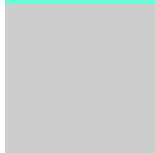
60.3346, 78.1917, 95.1316

Monochromacy



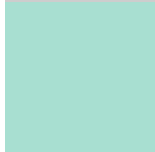
Original Color

53.6342, 79.3026, 77.4459



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

54.0447, 65.7036, 70.1552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6342, 79.3026, 77.4459 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(102, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 216)  
}
```

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(102, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 53.6342, 79.3026, 77.4459 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(102, 255, 216) }
```


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

```
.border{ border-color:rgb(102, 255, 216) }
```

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

Here you see how a box with a 4 pixel rgb(102, 255, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6342, 79.3026, 77.4459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 216) }
```

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

```
.background{ background-color: rgb(102,  
255, 216) }
```

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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