

Converting Colors

XYZ(50.4601, 77.5891, 80.7876)

Have a look what the booklet for
XYZ(50.4601, 77.5891, 80.7876)
contains.

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Color

**XYZ(50.4420, 77.5812,
80.7227)**

Conversions

Conversions Part 1

Format	Color
Hex	38FFDD
RGB	56, 255, 221
RGB Percent	22%, 100%, 87%
CMY	0.7803, 0.0000, 0.1333
CMYK	0.78, 0.00, 0.13, 0.00
HSL	170°, 100%, 61%
HSV	170°, 78%, 100%
XYZ	50.4420, 77.5812, 80.7227
YIQ	191.6230, -107.6900, -52.7620

Conversions

Conversions Part 2

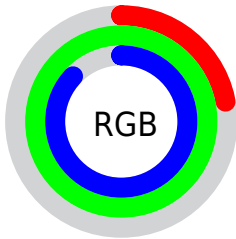
Format	Color
RYB	56, 165, 255
Decimal	3735517
CIELab	90.59, -54.62, 2.76
CIELCh	91, 54.690, 177.107
Yxy	77.5812, 0.2416, 0.3717
Android (android.graphics.Color)	4281925597 (0xFF38FFDD)
YUV	191.6230, 14.4829, -118.9414
Hunter-Lab	88.0802, -51.9165, 7.3187

Details

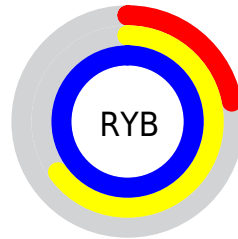
The XYZ color **50.4420, 77.5812, 80.7227** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.5006, 24.8278, 12.1218**, and the grayscale version is **49.8480, 52.4440, 57.1115**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **26.8492, 42.6857, 42.9005** is the 20% darker color. If you saturate the color by 10%, you get **48.7887, 76.7951, 77.6554**, and if you desaturate by 10%, it is **52.8370, 78.7479, 83.9061**.

Distribution



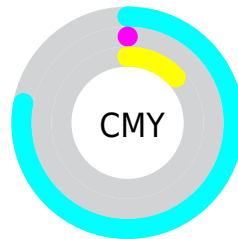
- Red (22%)
- Green (100%)
- Blue (87%)



- Red (22%)
- Yellow (65%)
- Blue (100%)



- Cyan (78%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (78%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4420, 77.5812, 80.7227 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 50.4420, 77.5812, 80.7227 by changing the saturation by 10% instead.


 50.4420, 77.5812,
80.7227


 50.4420, 77.5812,
80.7227


378.8154,
486.7434, 517.1359


 35.9840, 57.7300,
59.7836


 90.0173, 129.9596,
136.2019


 24.5919, 41.5916,
42.8201


 115.8653,
163.2556, 171.5791

 15.9003, 28.7817,
29.4136


 146.2407,
201.8019, 212.6060

 9.5441, 18.9157,
19.1457

 181.5088,
245.9831, 259.7012

 5.1577, 11.6094,
11.5977

222.0349,
296.1834, 313.2833

 2.3758, 6.4783,
6.3512

268.1845,

 0.8330, 3.1380,

352.7873, 373.7707

2.9876

320.3229,
416.1791, 441.5821

■ 0.0000, 1.2042,
1.0883

■ 0.0000, 0.0651,
0.0000

■ 50.4420, 77.5812,
80.7227

■ 50.4420, 77.5812,
80.7227

■ 48.7887, 76.7951,
77.6554

■ 52.8370, 78.7479,
83.9061

■ 47.7428, 76.3204,
74.6932

■ 56.0678, 80.3437,
87.2064

■ 47.5721, 76.2449,
74.1219

■ 60.2176, 82.4115,
90.6296

■ 65.3586, 84.9886,
94.1795

71.5557, 88.1083,
97.8598

78.8683, 91.8012,
101.6738

87.3513, 96.0957,
105.6245

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.



53.7638, 77.5812, 49.7789



50.4420, 77.5812, 80.7227



52.6942, 77.5812, 123.7055

Triad

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



50.4420, 77.5812, 80.7227



86.3996, 77.5812, 170.9585



88.9839, 77.5812, 35.6536

Complementary

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



50.4420, 77.5812, 80.7227



44.5006, 24.8278, 12.1218

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.



99.7506, 77.5812, 54.5589



50.4420, 77.5812, 80.7227



98.1336, 77.5812, 132.4051

Square

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



50.4420, 77.5812, 80.7227



72.4173, 77.5812, 184.3956



103.2884, 77.5812, 88.3372



75.0759, 77.5812, 29.3216

Rectangle

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



50.4420, 77.5812, 80.7227



57.2284, 77.5812, 152.6449



103.2884, 77.5812, 88.3372



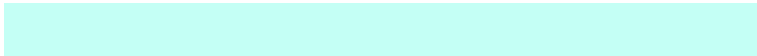
93.1531, 77.5812, 40.3924

Sweetspot

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



50.4429, 77.5816, 80.7241



75.0944, 89.8941, 99.7631



40.9371, 74.1064, 15.8892



15.5236, 18.9636, 21.0604



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.



50.4429, 77.5816, 80.7241



48.1054, 76.4815, 75.8763



38.5283, 45.7546, 101.4086



18.4138, 20.4250, 22.4818



24.9065, 39.8592, 38.9883



2.4587, 3.8944, 3.9732

Inverse Universe

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



44.5006, 24.8278, 12.1218



42.1351, 21.8982, 5.7800



48.5538, 34.7451, 7.8903



18.1360, 18.0377, 19.3333



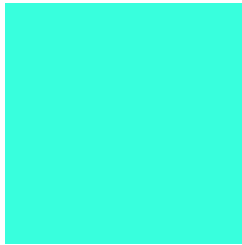
21.8188, 11.2168, 2.4302



2.1579, 1.1055, 0.4130

Previews

White Background



This preview shows how the XYZ color 50.4420, 77.5812, 80.7227 looks on a white background.

Color Contrast Check

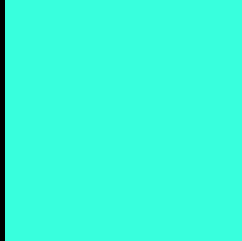
Large Text (above 18pt) WCAG AA × Fail

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 50.4420, 77.5812, 80.7227 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

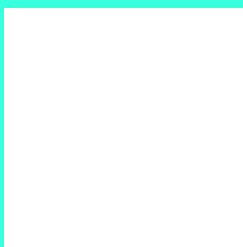
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.4420, 77.5812, 80.7227

Background



This preview shows how black text looks on a background with the XYZ color 50.4420, 77.5812, 80.7227.

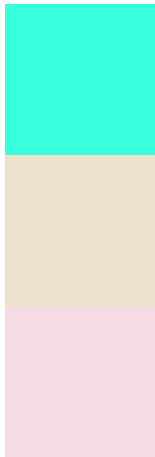


This preview shows how white text looks on a background with the XYZ color 50.4420, 77.5812,

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

50.4420, 77.5812, 80.7227

Protanopia

72.2056, 75.9204, 68.6061

Deuteranopia

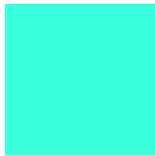
77.4804, 75.9130, 84.6978



Tritanopia

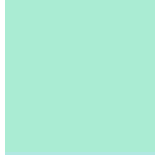
62.4542, 76.8060, 106.1411

Trichromacy



Original Color

50.4420, 77.5812, 80.7227



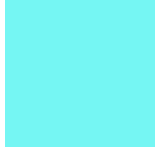
Protanomaly

58.3309, 73.2401, 72.6904



Deuteranomaly

60.7155, 72.5513, 82.7553



Tritanomaly

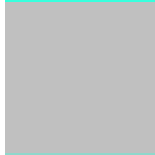
56.4695, 76.1645, 96.5190

Monochromacy



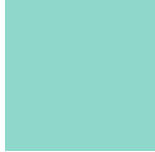
Original Color

50.4420, 77.5812, 80.7227



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

46.4076, 58.7523, 65.3943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4420, 77.5812, 80.7227 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(56, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(56, 255, 221)  
}
```

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(56, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 50.4420, 77.5812, 80.7227 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(56, 255, 221) }
```


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

```
.border{ border-color:rgb(56, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(56, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4420, 77.5812, 80.7227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 255, 221) }
```

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

```
.background{ background-color: rgb(56, 255,  
221) }
```

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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