

Converting Colors

XYZ(40.5336, 18.8107, 96.1022)

Have a look what the booklet for
XYZ(40.5336, 18.8107, 96.1022)
contains.

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Color

**XYZ(40.5557, 18.8221,
96.1032)**

Conversions

Conversions Part 1

Format	Color
Hex	C300FF
RGB	195, 0, 255
RGB Percent	76%, 0%, 100%
CMY	0.2353, 1.0000, 0.0000
CMYK	0.24, 1.00, 0.00, 0.00
HSL	286°, 100%, 50%
HSV	286°, 100%, 100%
XYZ	40.5557, 18.8221, 96.1032
YIQ	87.3750, 34.3650, 120.6450

Conversions

Conversions Part 2

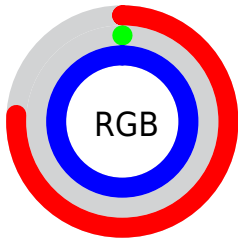
Format	Color
RYB	195, 0, 255
Decimal	12779775
CIELab	50.48, 89.88, -77.23
CIELCh	50, 118.500, 319.328
Yxy	18.8221, 0.2608, 0.1211
Android (android.graphics.Color)	4290969855 (0xFFC300FF)
YUV	87.3750, 82.6391, 94.3871
Hunter-Lab	43.3844, 90.9387, -100.9673

Details

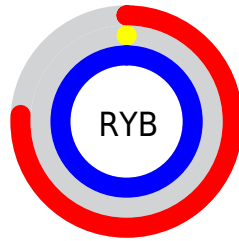
The XYZ color **40.5557, 18.8221, 96.1032** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **37.6241, 72.4810, 12.0076**, and the grayscale version is **8.9641, 9.4310, 10.2703**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **19.9096, 9.0996, 53.5304** is the 20% darker color. If you saturate the color by 10%, you get **40.5558, 18.8221, 96.1033**, and if you desaturate by 10%, it is **42.4969, 20.3553, 96.2969**.

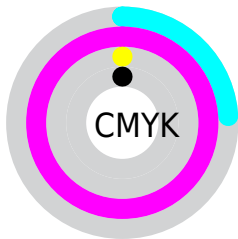
Distribution



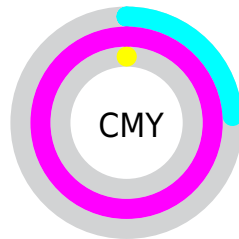
- Red (76%)
- Green (0%)
- Blue (100%)



- Red (76%)
- Yellow (0%)
- Blue (100%)



- Cyan (24%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5557, 18.8221, 96.1032 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 40.5557, 18.8221, 96.1032 by changing the saturation by 10% instead.

 40.5557, 18.8221,
96.1032


 40.5557, 18.8221,
96.1032

339.5546,
245.4649, 568.7651

 28.1582, 11.5418,
72.4516


 75.2879, 41.4333,
157.7965

 18.5860, 6.4325,
53.0385


 98.3534, 57.5329,
196.6752


 11.4738, 3.1098,
37.4456


 125.7056, 77.3412,
241.4668

 6.4561, 1.1893,
25.2542

 157.7099,
101.2424, 292.5896

 3.1676, 0.0530,
16.0458

 194.7315,
129.6210, 350.4623

 1.2430, 0.0000,
9.4019

 237.1360,

 0.1399, 0.0000,

162.8613, 415.5035

4.9038

285.2886,
201.3478, 488.1315

■ 0.0000, 0.0000,
2.1332

■ 0.0000, 0.0000,
0.6354

■ 40.5557, 18.8221,
96.1032

■ 40.5557, 18.8221,
96.1032

■ 40.5558, 18.8221,
96.1033

■ 42.4969, 20.3553,
96.2969

■ 44.9673, 22.8545,
96.6491

■ 48.1113, 26.6063,
97.2075

■ 52.0169, 31.7856,
98.0014

■ 56.7579, 38.5393,
99.0551

■ 62.3991, 46.9958,
100.3900

■ 68.9985, 57.2699,
102.0253

■ 76.6088, 69.4666,
103.9784

■ 85.2791, 83.6826,
106.2654

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.2872, 18.8221, 158.0242



40.5557, 18.8221, 96.1032



49.7654, 18.8221, 34.6627

Triad

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



40.5557, 18.8221, 96.1032



22.3228, 18.8221, 0.0000



4.0559, 18.8221, 49.5527

Complementary

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



40.5557, 18.8221, 96.1032



37.6241, 72.4810, 12.0076

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.



3.7420, 18.8221, 10.8328



40.5557, 18.8221, 96.1032



11.5034, 18.8221, 0.0000

Square

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



40.5557, 18.8221, 96.1032



36.6037, 18.8221, 0.0000



5.7840, 18.8221, 0.6853



6.9732, 18.8221, 116.3900

Rectangle

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



40.5557, 18.8221, 96.1032



49.9444, 18.8221, 11.8211



5.7840, 18.8221, 0.6853



3.7102, 18.8221, 32.6201

Sweetspot

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



40.5566, 18.8228, 96.1033



68.9952, 57.2647, 102.0245



19.8700, 10.8597, 95.6566



14.1465, 11.2810, 21.6818



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.



40.5566, 18.8228, 96.1033



40.5558, 18.8221, 96.1033



50.6720, 25.0330, 51.5974



18.3503, 18.0723, 22.7711



21.3301, 9.9066, 50.2225



2.1729, 1.0141, 4.8945

Inverse Universe

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



42.0560, 21.5866, 6.2262



42.0556, 21.5862, 6.2249



36.6787, 71.8875, 16.7571



18.1845, 18.0571, 19.5887



22.0224, 11.2983, 3.5027



2.1844, 1.1161, 0.5522

Previews

White Background



This preview shows how the XYZ color 40.5557, 18.8221, 96.1032 looks on a white background.

Color Contrast Check

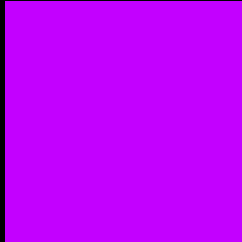
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.5557, 18.8221, 96.1032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

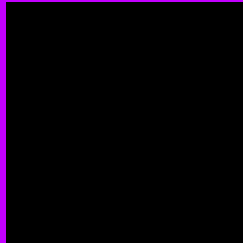
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.5557, 18.8221, 96.1032

Background



This preview shows how black text looks on a background with the XYZ color 40.5557, 18.8221, 96.1032.



This preview shows how white text looks on a background with the XYZ color 40.5557, 18.8221,

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

40.5557, 18.8221, 96.1032

Protanopia

23.1498, 19.4380, 90.5275

Deuteranopia

19.6023, 19.3732, 67.6720



Tritanopia

24.4446, 19.0601, 16.3005

Trichromacy



Original Color

40.5557, 18.8221, 96.1032



Protanomaly

22.3026, 13.1393, 91.8031



Deuteranomaly

19.6774, 12.6447, 76.2665



Tritanomaly

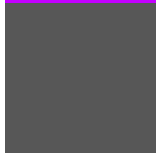
27.3225, 16.0638, 35.3788

Monochromacy



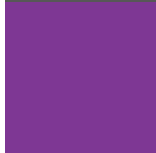
Original Color

40.5557, 18.8221, 96.1032



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.3157, 9.3061, 29.0060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5557, 18.8221, 96.1032 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(195, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 0, 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(195, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.5557, 18.8221, 96.1032 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(195, 0, 255) }
```


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

```
.border{ border-color:rgb(195, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(195, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5557, 18.8221, 96.1032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 0, 255) }
```

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

```
.background{ background-color: rgb(195, 0,  
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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