

Converting Colors

XYZ(40.7881, 19.6693, 96.2545)

Have a look what the booklet for XYZ(40.7881, 19.6693, 96.2545) contains.

XYZ(40.7881, 19.6693, 96.2545)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.7881, 19.6693,
96.2545)**

Conversions

Conversions Part 1

Format	Color
Hex	C21FFF
RGB	194, 31, 255
RGB Percent	76%, 12%, 100%
CMY	0.2392, 0.8784, 0.0000
CMYK	0.24, 0.88, 0.00, 0.00
HSL	284°, 100%, 56%
HSV	284°, 88%, 100%
XYZ	40.7881, 19.6693, 96.2545
YIQ	105.2730, 25.2440, 104.2200

Conversions

Conversions Part 2

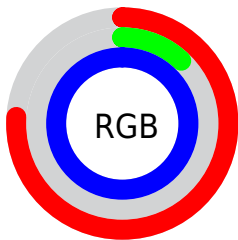
Format	Color
RYB	194, 31, 255
Decimal	12722175
CIELab	51.46, 86.36, -75.64
CIElCh	51, 114.797, 318.787
Yxy	19.6693, 0.2603, 0.1255
Android (android.graphics.Color)	4290912255 (0xFFC21FFF)
YUV	105.2730, 73.8154, 77.8136
Hunter-Lab	44.3501, 86.5511, -97.6340

Details

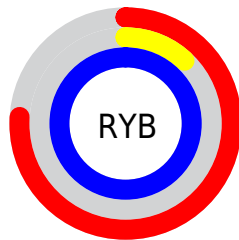
The XYZ color **40.7881, 19.6693, 96.2545** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed magenta. A complement of this color would be **40.4213, 73.8944, 13.4294**, and the grayscale version is **13.3041, 13.9969, 15.2426**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **19.9096, 9.0996, 53.5304** is the 20% darker color. If you saturate the color by 10%, you get **38.6177, 17.9117, 96.0297**, and if you desaturate by 10%, it is **43.5620, 22.5078, 96.6562**.

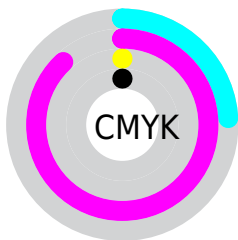
Distribution



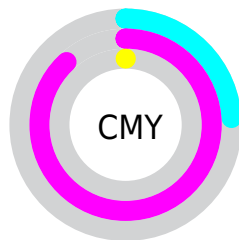
- Red (76%)
- Green (12%)
- Blue (100%)



- Red (76%)
- Yellow (12%)
- Blue (100%)



- Cyan (24%)
- Magenta (88%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (88%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7881, 19.6693, 96.2545 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 40.7881, 19.6693, 96.2545 by changing the saturation by 10% instead.

 40.7881, 19.6693,
96.2545


 40.7881, 19.6693,
96.2545

340.5119,
250.1192, 569.2600

 28.3405, 12.1549,
72.5769


 75.6389, 42.8620,
158.0071


 18.7242, 6.8493,
53.1404


 98.7727, 59.3092,
196.9191


 11.5740, 3.3680,
37.5263


 126.1994, 79.5026,
241.7464

 6.5244, 1.3267,
25.3163

 158.2842,
103.8269, 292.9074

 3.2102, 0.1618,
16.0917

 195.3925,
132.6662, 350.8207

 1.2659, 0.0000,
9.4340

237.8896,

 0.1574, 0.0000,

166.4051, 415.9049

4.9247

286.1410,
205.4280, 488.5785

■ 0.0000, 0.0000,
2.1452

■ 0.0000, 0.0000,
0.6425

■ 40.7881, 19.6693,
96.2545

■ 40.7881, 19.6693,
96.2545

■ 38.6177, 17.9117,
96.0297

■ 43.5620, 22.5078,
96.6562

■ 38.1928, 17.6040,
95.9927

■ 47.0495, 26.6496,
97.2718

■ 51.3365, 32.2633,
98.1295

■ 56.4949, 39.4914,
99.2527

■ 62.5882, 48.4592,
100.6625

■ 69.6734, 59.2794,
102.3776

■ 77.8029, 72.0552,
104.4151

■ 87.0252, 86.8820,
106.7909

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.



26.7709, 19.6693, 155.0179



40.7881, 19.6693, 96.2545



49.9108, 19.6693, 36.2657

Triad

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



40.7881, 19.6693, 96.2545



23.3398, 19.6693, 0.0000



4.5915, 19.6693, 49.0175

Complementary

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



40.7881, 19.6693, 96.2545



40.4213, 73.8944, 13.4294

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.



4.3010, 19.6693, 11.3007



40.7881, 19.6693, 96.2545



12.4325, 19.6693, 0.0000

Square

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



40.7881, 19.6693, 96.2545



37.4071, 19.6693, 0.1656



6.4956, 19.6693, 0.9152



7.5723, 19.6693, 113.3031

Rectangle

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



40.7881, 19.6693, 96.2545



50.2248, 19.6693, 13.1167



6.4956, 19.6693, 0.9152



4.2402, 19.6693, 32.6374

Sweetspot

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



40.7890, 19.6700, 96.2546



71.0900, 61.4814, 102.7280



22.6600, 15.6008, 96.4247



14.6519, 12.2844, 21.8488



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.



40.7890, 19.6700, 96.2546



38.1928, 17.6040, 95.9927



52.9277, 26.7193, 61.0588



18.2819, 18.0371, 22.7679



20.1073, 9.2762, 50.1653



2.0627, 0.9573, 4.8893

Inverse Universe

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



43.6620, 23.0130, 12.2666



42.3279, 21.6952, 7.6588



37.7562, 72.3838, 19.4817



18.2125, 18.0683, 19.7364



22.1704, 11.3575, 4.2820



2.2021, 1.1232, 0.6459

Previews

White Background



This preview shows how the XYZ color 40.7881, 19.6693, 96.2545 looks on a white background.

Color Contrast Check

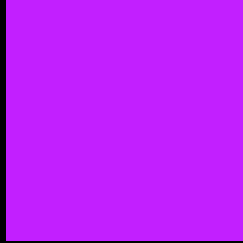
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.7881, 19.6693, 96.2545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

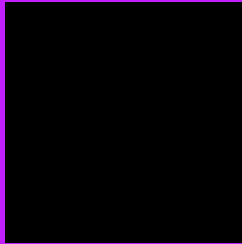
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.7881, 19.6693, 96.2545

Background



This preview shows how black text looks on a background with the XYZ color 40.7881, 19.6693, 96.2545.



This preview shows how white text looks on a background with the XYZ color 40.7881, 19.6693,

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

40.7881, 19.6693, 96.2545

Protanopia

23.8521, 20.0958, 93.0642

Deuteranopia

20.2470, 20.0362, 69.8181



Tritanopia

24.6780, 19.5969, 17.2338

Trichromacy



Original Color

40.7881, 19.6693, 96.2545



Protanomaly

23.5774, 15.1843, 93.7836



Deuteranomaly

20.9051, 14.6480, 78.0694



Tritanomaly

28.0871, 17.6554, 36.5778

Monochromacy



Original Color

40.7881, 19.6693, 96.2545



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

19.3861, 13.3052, 34.8041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7881, 19.6693, 96.2545 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(194, 31, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 31, 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(194, 31, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 31, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.7881, 19.6693, 96.2545 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(194, 31, 255) }
```


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

```
.border{ border-color:rgb(194, 31, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 31, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 31, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 31, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 31,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7881, 19.6693, 96.2545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 31, 255) }
```

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

```
.background{ background-color: rgb(194, 31,  
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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