

Converting Colors

XYZ(40.8292, 20.7205, 96.4553)

Have a look what the booklet for
XYZ(40.8292, 20.7205, 96.4553)
contains.

XYZ(40.7197, 20.6640, 96.4501)	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(40.7197, 20.6640,
96.4501)**

Conversions

Conversions Part 1

Format	Color
Hex	BF33FF
RGB	191, 51, 255
RGB Percent	75%, 20%, 100%
CMY	0.2510, 0.8000, 0.0000
CMYK	0.25, 0.80, 0.00, 0.00
HSL	281°, 100%, 60%
HSV	281°, 80%, 100%
XYZ	40.7197, 20.6640, 96.4501
YIQ	116.1160, 17.9560, 93.1240

Conversions

Conversions Part 2

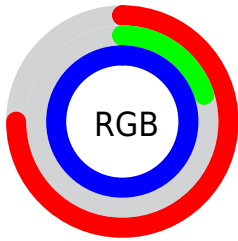
Format	Color
R _Y B	191, 51, 255
Decimal	12530687
CIE Lab	52.58, 81.33, -73.84
CIE LCh	53, 109.844, 317.763
Yxy	20.6640, 0.2580, 0.1309
Android (android.graphics.Color)	4290720767 (0xFFBF33FF)
YUV	116.1160, 68.4698, 65.6733
Hunter-Lab	45.4577, 80.3443, -93.9786

Details

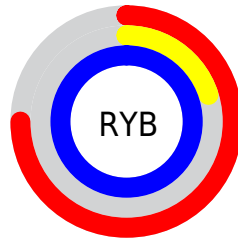
The XYZ color **40.7197, 20.6640, 96.4501** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **43.4279, 75.4039, 15.3979**, and the grayscale version is **16.4301, 17.2857, 18.8241**.

A 20% lighter version of the original color is **64.2122, 39.9501, 98.9345**, and **19.4381, 8.8565, 53.5083** is the 20% darker color. If you saturate the color by 10%, you get **37.9378, 18.0047, 96.0835**, and if you desaturate by 10%, it is **44.2232, 24.6010, 97.0254**.

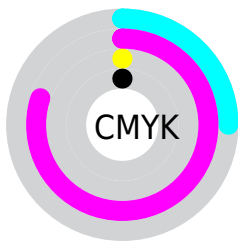
Distribution



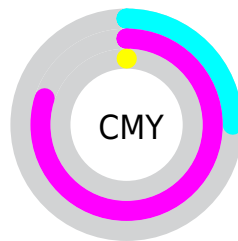
- Red (75%)
- Green (20%)
- Blue (100%)



- Red (75%)
- Yellow (20%)
- Blue (100%)



- Cyan (25%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7197, 20.6640, 96.4501 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 40.7197, 20.6640, 96.4501 by changing the saturation by 10% instead.

 40.7197, 20.6640,
96.4501

 40.7197, 20.6640,
96.4501

340.2304,
255.4874, 569.8995


 28.2868, 12.8786,
72.7389

 75.5356, 44.5277,
158.2792


 18.6835, 7.3450,
53.2720


 98.6494, 61.3747,
197.2343


 11.5445, 3.6788,
37.6307


 126.0541, 82.0112,
242.1077

 6.5043, 1.4956,
25.3966

 158.1152,
106.8213, 293.3181

 3.1976, 0.2856,
16.1511

 195.1980,
136.1897, 351.2839

 1.2591, 0.0000,
9.4756

237.6679,

 0.1523, 0.0000,

170.5005, 416.4237

4.9517

285.8903,
210.1383, 489.1560

■ 0.0000, 0.0000,
2.1607

■ 0.0000, 0.0000,
0.6515

■ 40.7197, 20.6640,
96.4501

■ 40.7197, 20.6640,
96.4501

■ 37.9378, 18.0047,
96.0835

■ 44.2232, 24.6010,
97.0254

■ 35.7301, 16.3345,
95.8774

■ 48.5346, 29.9892,
97.8382

■ 35.7298, 16.3343,
95.8774

■ 53.7296, 36.9765,
98.9131

■ 59.8739, 45.6919,
100.2715

67.0264, 56.2507,
101.9325

75.2408, 68.7584,
103.9138

84.5671, 83.3120,
106.2314

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.



27.1062, 20.6640, 150.6259



40.7197, 20.6640, 96.4501



49.7491, 20.6640, 38.5789

Triad

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



40.7197, 20.6640, 96.4501



24.6563, 20.6640, 0.0000



5.2978, 20.6640, 47.5641

Complementary

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



40.7197, 20.6640, 96.4501



43.4279, 75.4039, 15.3979

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.



5.0729, 20.6640, 11.6542



40.7197, 20.6640, 96.4501



13.6894, 20.6640, 0.0000

Square

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



40.7197, 20.6640, 96.4501



38.3405, 20.6640, 0.6522



7.4809, 20.6640, 1.1916



8.2930, 20.6640, 108.1770

Rectangle

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



40.7197, 20.6640, 96.4501



50.3027, 20.6640, 15.0478



7.4809, 20.6640, 1.1916



4.9535, 20.6640, 32.0771

Sweetspot

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



40.7207, 20.6647, 96.4502



71.8232, 63.5134, 103.0816



25.6151, 20.3232, 97.1804



14.7533, 12.6528, 21.9146



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.



40.7207, 20.6647, 96.4502



36.5673, 16.9304, 95.9483



55.0266, 28.6690, 68.6894



18.2058, 17.9978, 22.7643



18.8307, 8.6181, 50.1055



1.9463, 0.8973, 4.8839

Inverse Universe

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



45.5185, 24.8658, 18.6202



43.0709, 22.1695, 11.0253



38.9036, 72.9352, 21.3477



18.2441, 18.0809, 19.9025



22.3643, 11.4350, 5.3031



2.2244, 1.1321, 0.7631

Previews

White Background



This preview shows how the XYZ color 40.7197, 20.6640, 96.4501 looks on a white background.

Color Contrast Check

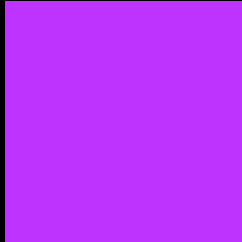
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.7197, 20.6640, 96.4501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

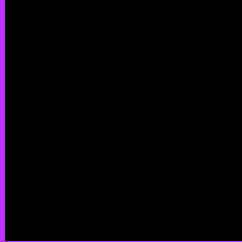
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.7197, 20.6640, 96.4501

Background



This preview shows how black text looks on a background with the XYZ color 40.7197, 20.6640, 96.4501.



This preview shows how white text looks on a background with the XYZ color 40.7197, 20.6640,

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

40.7197, 20.6640, 96.4501

Protanopia

25.0685, 20.9881, 97.3376

Deuteranopia

21.1737, 20.8202, 73.4237



Tritanopia

24.8771, 20.4211, 19.1535

Trichromacy



Original Color

40.7197, 20.6640, 96.4501



Protanomaly

25.3748, 17.2054, 96.5913



Deuteranomaly

22.0068, 16.3777, 80.5986



Tritanomaly

28.5147, 18.9535, 38.7147

Monochromacy



Original Color

40.7197, 20.6640, 96.4501



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

22.1299, 16.2840, 38.5360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7197, 20.6640, 96.4501 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(191, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 51, 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(191, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.7197, 20.6640, 96.4501 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(191, 51, 255) }
```


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

```
.border{ border-color:rgb(191, 51, 255) }
```

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

Here you see how a box with a 4 pixel rgb(191, 51, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7197, 20.6640, 96.4501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 51, 255) }
```

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

```
.background{ background-color: rgb(191, 51,  
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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