

Converting Colors

XYZ(40.5712, 20.5887, 96.4430)

Have a look what the booklet for XYZ(40.5712, 20.5887, 96.4430) contains.

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Color

**XYZ(40.4690, 20.5348,
96.4384)**

Conversions

Conversions Part 1

Format	Color
Hex	BE33FF
RGB	190, 51, 255
RGB Percent	75%, 20%, 100%
CMY	0.2549, 0.8000, 0.0000
CMYK	0.25, 0.80, 0.00, 0.00
HSL	281°, 100%, 60%
HSV	281°, 80%, 100%
XYZ	40.4690, 20.5348, 96.4384
YIQ	115.8170, 17.3600, 92.9120

Conversions

Conversions Part 2

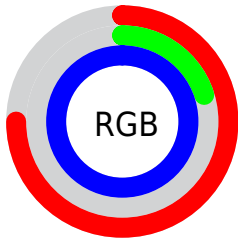
Format	Color
R _Y B	190, 51, 255
Decimal	12465151
CIE Lab	52.44, 81.17, -74.08
CIE LCh	52, 109.889, 317.616
Yxy	20.5348, 0.2570, 0.1304
Android (android.graphics.Color)	4290655231 (0xFFBE33FF)
YUV	115.8170, 68.6172, 65.0585
Hunter-Lab	45.3153, 80.1081, -94.4580

Details

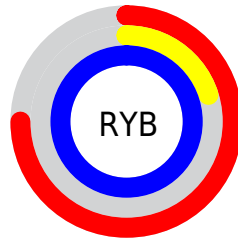
The XYZ color **40.4690, 20.5348, 96.4384** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **43.5602, 75.4721, 15.4041**, and the grayscale version is **16.3389, 17.1898, 18.7197**.

A 20% lighter version of the original color is **63.8510, 39.7639, 98.9176**, and **19.2840, 8.7770, 53.5011** is the 20% darker color. If you saturate the color by 10%, you get **37.6711, 17.8673, 96.0710**, and if you desaturate by 10%, it is **43.9917, 24.4817, 97.0146**.

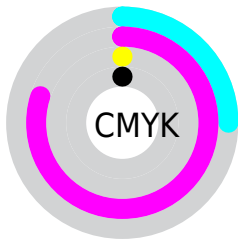
Distribution



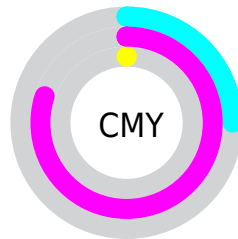
- Red (75%)
- Green (20%)
- Blue (100%)



- 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 40.4690, 20.5348, 96.4384 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 40.4690, 20.5348, 96.4384 by changing the saturation by 10% instead.


 40.4690, 20.5348,
96.4384


 40.4690, 20.5348,
96.4384


339.1970,
254.7958, 569.8612


 28.0902, 12.7844,
72.7292

 75.1570, 44.3120,
158.2629

 18.5345, 7.2802,
53.2641


 98.1969, 61.1076,
197.2154


 11.4364, 3.6380,
37.6245


 125.5213, 81.6870,
242.0861

 6.4306, 1.4732,
25.3918

 157.4954,
106.4347, 293.2935

 3.1518, 0.2697,
16.1475

 194.4847,
135.7350, 351.2562

 1.2345, 0.0000,
9.4731

236.8545,

 0.1334, 0.0000,

169.9724, 416.3927

4.9500

284.9701,
209.5312, 489.1215

■ 0.0000, 0.0000,
2.1598

■ 0.0000, 0.0000,
0.6510

■ 40.4690, 20.5348,
96.4384

■ 40.4690, 20.5348,
96.4384

■ 37.6711, 17.8673,
96.0710

■ 43.9917, 24.4817,
97.0146

■ 35.4507, 16.1905,
95.8644

■ 48.3255, 29.8815,
97.8284

■ 35.4504, 16.1902,
95.8643

■ 53.5464, 36.8822,
98.9045

■ 59.7201, 45.6128,
100.2643

■ 66.9055, 56.1886,
101.9269

■ 75.1566, 68.7151,
103.9099

■ 84.5232, 83.2896,
106.2294

■ 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.



26.8909, 20.5348, 150.3853



40.4690, 20.5348, 96.4384



49.5145, 20.5348, 38.6108

Triad

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



40.4690, 20.5348, 96.4384



24.5795, 20.5348, 0.0000



5.2360, 20.5348, 47.0926

Complementary

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



40.4690, 20.5348, 96.4384



43.5602, 75.4721, 15.4041

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.



5.0246, 20.5348, 11.4590



40.4690, 20.5348, 96.4384



13.6329, 20.5348, 0.0000

Square

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



40.4690, 20.5348, 96.4384



38.2229, 20.5348, 0.6460



7.4329, 20.5348, 1.1529



8.1973, 20.5348, 107.5201

Rectangle

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



40.4690, 20.5348, 96.4384



50.1031, 20.5348, 15.0599



7.4329, 20.5348, 1.1529



4.8981, 20.5348, 31.7015

Sweetspot

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



40.4699, 20.5355, 96.4385



71.7238, 63.4621, 103.0769



26.0126, 21.1182, 97.3129



14.7292, 12.6404, 21.9135



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.



40.4699, 20.5355, 96.4385



36.2926, 16.7888, 95.9355



55.4752, 28.8485, 71.0515



18.1968, 17.9932, 22.7639



18.6857, 8.5433, 50.0988



1.9330, 0.8904, 4.8833

Inverse Universe

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



45.5764, 24.8890, 18.9252



43.1204, 22.1893, 11.2858



38.7653, 72.8798, 20.6191



18.2478, 18.0824, 19.9222



22.3894, 11.4450, 5.4349



2.2272, 1.1333, 0.7778

Previews

White Background



This preview shows how the XYZ color 40.4690, 20.5348, 96.4384 looks on a white background.

Color Contrast Check

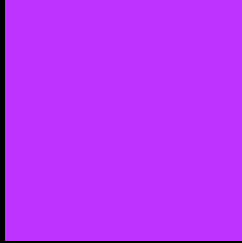
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.4690, 20.5348, 96.4384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

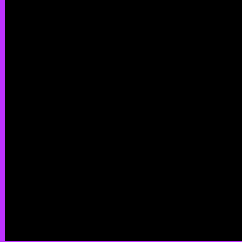
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.4690, 20.5348, 96.4384

Background



This preview shows how black text looks on a background with the XYZ color 40.4690, 20.5348, 96.4384.



This preview shows how white text looks on a background with the XYZ color 40.4690, 20.5348,

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

40.4690, 20.5348, 96.4384

Protanopia

24.9249, 20.9141, 97.3309

Deuteranopia

21.0385, 20.7661, 72.7114



Tritanopia

24.6634, 20.3109, 19.1435

Trichromacy



Original Color

40.4690, 20.5348, 96.4384



Protanomaly

24.8314, 16.9253, 96.5659



Deuteranomaly

22.0068, 16.3777, 80.5986



Tritanomaly

28.2877, 18.8365, 38.7041

Monochromacy



Original Color

40.4690, 20.5348, 96.4384



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 40.4690, 20.5348, 96.4384 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(190, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.4690, 20.5348, 96.4384 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(190, 51, 255) }
```


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

```
.border{ border-color:rgb(190, 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(190, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4690, 20.5348, 96.4384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 51, 255) }
```

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

```
.background{ background-color: rgb(190, 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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