

Converting Colors

XYZ(40.1568, 20.0985, 94.6937)

Have a look what the booklet for
XYZ(40.1568, 20.0985, 94.6937)
contains.

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Color

**XYZ(40.1925, 20.1222,
94.6941)**

Conversions

Conversions Part 1

Format	Color
Hex	BF2EFD
RGB	191, 46, 253
RGB Percent	75%, 18%, 99%
CMY	0.2510, 0.8196, 0.0078
CMYK	0.25, 0.82, 0.00, 0.01
HSL	282°, 98%, 59%
HSV	282°, 82%, 99%
XYZ	40.1925, 20.1222, 94.6941
YIQ	112.9530, 19.9730, 95.1170

Conversions

Conversions Part 2

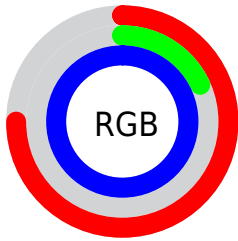
Format	Color
RYB	191, 46, 253
Decimal	12529405
CIELab	51.98, 82.30, -73.71
CIElCh	52, 110.479, 318.152
Yxy	20.1222, 0.2593, 0.1298
Android (android.graphics.Color)	4290719485 (0xFFBF2EFD)
YUV	112.9530, 69.0432, 68.4472
Hunter-Lab	44.8578, 81.4346, -93.7599

Details

The XYZ color **40.1925, 20.1222, 94.6941** 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 **41.8031, 73.6364, 14.5952**, and the grayscale version is **15.4812, 16.2874, 17.7370**.

A 20% lighter version of the original color is **63.8793, 39.2843, 98.8236**, and **19.2104, 8.7654, 52.3092** is the 20% darker color. If you saturate the color by 10%, you get **37.6223, 17.7369, 94.3695**, and if you desaturate by 10%, it is **43.4444, 23.7220, 95.2179**.

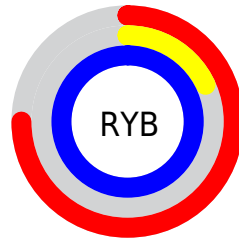
Distribution



Red (75%)

Green (18%)

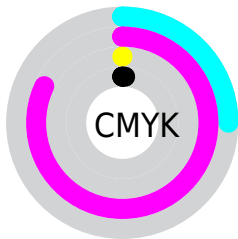
Blue (99%)



Red (75%)

Yellow (18%)

Blue (99%)

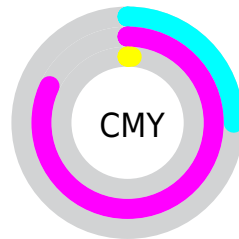


Cyan (25%)

Magenta (82%)

Yellow (0%)

Black (1%)



Cyan (25%)


Magenta (82%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1925, 20.1222, 94.6941 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 40.1925, 20.1222, 94.6941 by changing the saturation by 10% instead.


 40.1925, 20.1222,
94.6941

 40.1925, 20.1222,
94.6941


338.0548,
252.5759, 564.1445


 27.8735, 12.4839,
71.2849

 74.7390, 43.6220,
155.8339


 18.3703, 7.0741,
52.0915


 97.6973, 60.2522,
194.4015


 11.3175, 3.5085,
36.6953

 124.9328, 80.6486,
238.8591

 6.3497, 1.4026,
24.6777

 156.8107,
105.1955, 289.6251

 3.1015, 0.2187,
15.6203

 193.6966,
134.2772, 347.1181

 1.2077, 0.0000,
9.1044

235.9556,

 0.1124, 0.0000,

168.2783, 411.7567

4.7116

283.9532,
207.5831, 483.9593

■ 0.0000, 0.0000,
2.0233

■ 0.0000, 0.0000,
0.5695

■ 40.1925, 20.1222,
94.6941

■ 40.1925, 20.1222,
94.6941

■ 37.6223, 17.7369,
94.3695

■ 43.4444, 23.7220,
95.2179

■ 35.9124, 16.4654,
94.2142

■ 47.4655, 28.7127,
95.9693

■ 52.3320, 35.2438,
96.9734

■ 58.1095, 43.4443,
98.2518

64.8567, 53.4293,
99.8235

72.6269, 65.3038,
101.7059

81.4695, 79.1643,
103.9152

91.4303, 95.1008,
106.4663

94.7297, 99.8719,
107.2133

Harmonies

Analogous

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



26.6886, 20.1222, 149.2733



40.1925, 20.1222, 94.6941



49.0747, 20.1222, 37.2518

Triad

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



40.1925, 20.1222, 94.6941



23.9202, 20.1222, 0.0000



5.0537, 20.1222, 47.4372

Complementary

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



40.1925, 20.1222, 94.6941



41.8031, 73.6364, 14.5952

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.



4.8043, 20.1222, 11.4917



40.1925, 20.1222, 94.6941



13.1461, 20.1222, 0.0000

Square

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



40.1925, 20.1222, 94.6941



37.4948, 20.1222, 0.5113



7.1123, 20.1222, 1.1197



8.0183, 20.1222, 108.0633

Rectangle

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



40.1925, 20.1222, 94.6941



49.5302, 20.1222, 14.2455



7.1123, 20.1222, 1.1197



4.7085, 20.1222, 31.9228

Sweetspot

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



40.1935, 20.1229, 94.6946



71.2963, 62.4076, 102.8959



24.2300, 18.4196, 95.2072



14.6649, 12.4478, 21.8797



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.



40.1935, 20.1229, 94.6946



36.9633, 17.0524, 95.9510



53.3187, 27.5704, 64.5353



18.2319, 18.0113, 22.7655



19.2581, 8.8384, 50.1255



1.9854, 0.9174, 4.8857

Inverse Universe

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



44.1922, 23.9198, 16.4755



42.7414, 21.9491, 9.5631



37.9891, 71.5265, 20.9072



18.2332, 18.0766, 19.8454



22.2943, 11.4070, 4.9345



2.2165, 1.1290, 0.7214

Previews

White Background



This preview shows how the XYZ color 40.1925, 20.1222, 94.6941 looks on a white background.

Color Contrast Check

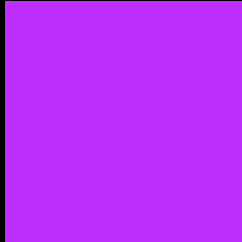
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.1925, 20.1222, 94.6941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

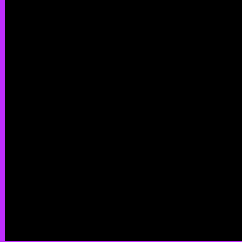
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.1925, 20.1222, 94.6941

Background



This preview shows how black text looks on a background with the XYZ color 40.1925, 20.1222, 94.6941.



This preview shows how white text looks on a background with the XYZ color 40.1925, 20.1222,

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

40.1925, 20.1222, 94.6941

Protanopia

24.4461, 20.5248, 95.6017

Deuteranopia

20.6405, 20.3992, 71.2562



Tritanopia

24.5535, 19.9580, 18.4778

Trichromacy



Original Color

40.1925, 20.1222, 94.6941



Protanomaly

24.0982, 16.1858, 94.7826



Deuteranomaly

21.5299, 15.8838, 79.0219



Tritanomaly

28.0933, 18.4044, 37.6690

Monochromacy



Original Color

40.1925, 20.1222, 94.6941



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

21.2577, 15.4878, 36.9910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1925, 20.1222, 94.6941 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, 46, 253)` looks like.

```
.text, #text, p{  
    color:rgb(191, 46, 253)  
}
```

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, 46, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 46, 253) }
```

Border

The CSS property to change the border of an element to XYZ 40.1925, 20.1222, 94.6941 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, 46, 253) }
```


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

```
.border{ border-color:rgb(191, 46, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 46, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 46, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 46, 253);  
box-shadow:4px 4px 4px 4px rgb(191, 46,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1925, 20.1222, 94.6941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 46, 253) }
```

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

```
.background{ background-color: rgb(191, 46,  
253) }
```

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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