

Converting Colors

XYZ(41.0453, 20.6305, 96.4265)

Have a look what the booklet for
XYZ(41.0453, 20.6305, 96.4265)
contains.

XYZ(41.0993, 20.6714, 96.4315)	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(41.0993, 20.6714,
96.4315)**

Conversions

Conversions Part 1

Format	Color
Hex	C130FF
RGB	193, 48, 255
RGB Percent	76%, 19%, 100%
CMY	0.2431, 0.8117, 0.0000
CMYK	0.24, 0.81, 0.00, 0.00
HSL	282°, 100%, 59%
HSV	282°, 81%, 100%
XYZ	41.0993, 20.6714, 96.4315
YIQ	114.9530, 19.9730, 95.1170

Conversions

Conversions Part 2

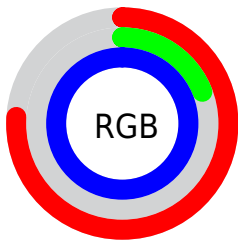
Format	Color
R_{YB}	193, 48, 255
Decimal	12660991
CIE _{Lab}	52.59, 82.46, -73.81
CIE _{LCh}	53, 110.668, 318.167
Yxy	20.6714, 0.2598, 0.1307
Android (android.graphics.Color)	4290851071 (0xFFC130FF)
YUV	114.9530, 69.0432, 68.4472
Hunter-Lab	45.4658, 81.7918, -93.9261

Details

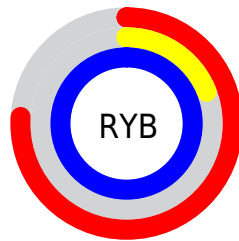
The XYZ color **41.0993, 20.6714, 96.4315** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **42.7242, 75.0485, 15.0308**, and the grayscale version is **16.0762, 16.9134, 18.4187**.

A 20% lighter version of the original color is **64.8282, 40.1011, 98.9312**, and **19.7509, 9.0178, 53.5229** is the 20% darker color. If you saturate the color by 10%, you get **38.4426, 18.1731, 96.0894**, and if you desaturate by 10%, it is **44.4567, 24.4194, 96.9780**.

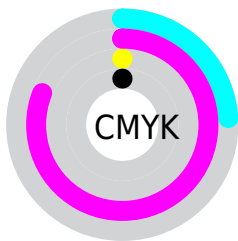
Distribution



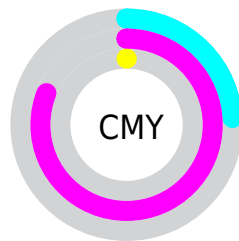
- Red (76%)
- Green (19%)
- Blue (100%)



- Red (76%)
- Yellow (19%)
- Blue (100%)



- Cyan (24%)
- Magenta (81%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (81%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.0993, 20.6714, 96.4315 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 41.0993, 20.6714, 96.4315 by changing the saturation by 10% instead.


 41.0993, 20.6714,
96.4315


 41.0993, 20.6714,
96.4315


341.7910,
255.5270, 569.8387


 28.5847, 12.8840,
72.7235


 76.1084, 44.5400,
158.2533

 18.9096, 7.3487,
53.2595


 99.3335, 61.3900,
197.2043


 11.7086, 3.6811,
37.6208


 126.8596, 82.0297,
242.0734

 6.6163, 1.4968,
25.3890

 159.0519,
106.8435, 293.2790

 3.2675, 0.2865,
16.1454

 196.2759,
136.2157, 351.2398

 1.2968, 0.0000,
9.4717

238.8968,

 0.1808, 0.0000,

170.5307, 416.3744

4.9491

287.2800,
210.1730, 489.1011

■ 0.0000, 0.0000,
2.1592

■ 0.0000, 0.0000,
0.6507

■ 41.0993, 20.6714,
96.4315

■ 41.0993, 20.6714,
96.4315

■ 38.4426, 18.1731,
96.0894

■ 44.4567, 24.4194,
96.9780

■ 36.5539, 16.7591,
95.9160

■ 48.6030, 29.5948,
97.7584

■ 53.6150, 36.3482,
98.7978

■ 59.5592, 44.8101,
100.1178

66.4949, 55.0974,
101.7379

74.4762, 67.3162,
103.6757

83.5533, 81.5646,
105.9476

93.7725, 97.9339,
108.5685

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.



27.3613, 20.6714, 151.7589



41.0993, 20.6714, 96.4315



50.1215, 20.6714, 38.1105

Triad

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



41.0993, 20.6714, 96.4315



24.5281, 20.6714, 0.0000



5.2556, 20.6714, 48.5182

Complementary

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



41.0993, 20.6714, 96.4315



42.7242, 75.0485, 15.0308

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.



4.9980, 20.6714, 11.8777



41.0993, 20.6714, 96.4315



13.5397, 20.6714, 0.0000

Square

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



41.0993, 20.6714, 96.4315



38.3433, 20.6714, 0.5740



7.3666, 20.6714, 1.1949



8.2999, 20.6714, 110.0521

Rectangle

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



41.0993, 20.6714, 96.4315



50.5804, 20.6714, 14.6710



7.3666, 20.6714, 1.1949



4.9002, 20.6714, 32.7313

Sweetspot

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



41.1003, 20.6721, 96.4316



72.1123, 63.6624, 103.0951



24.8562, 19.0226, 96.9694



14.8232, 12.6888, 21.9179



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.



41.1003, 20.6721, 96.4316



37.1695, 17.1997, 95.9686



54.3838, 28.2090, 65.9300



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.



45.1117, 24.5001, 17.1036



42.8359, 22.0312, 9.9243



38.7993, 72.8766, 21.5620



18.2332, 18.0766, 19.8454



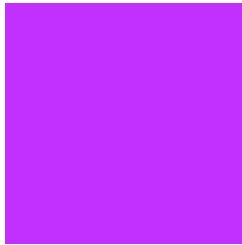
22.2943, 11.4070, 4.9345



2.2165, 1.1290, 0.7214

Previews

White Background



This preview shows how the XYZ color 41.0993, 20.6714, 96.4315 looks on a white background.

Color Contrast Check

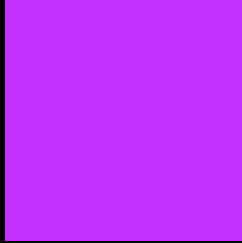
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.0993, 20.6714, 96.4315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

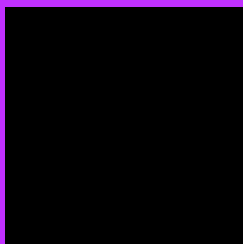
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.0993, 20.6714, 96.4315

Background



This preview shows how black text looks on a background with the XYZ color 41.0993, 20.6714, 96.4315.



This preview shows how white text looks on a background with the XYZ color 41.0993, 20.6714,

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

41.0993, 20.6714, 96.4315

Protanopia

25.0844, 20.9963, 97.3383

Deuteranopia

21.1737, 20.8202, 73.4237



Tritanopia

25.1468, 20.4111, 18.8340

Trichromacy



Original Color

41.0993, 20.6714, 96.4315



Protanomaly

25.3610, 16.9309, 96.5391



Deuteranomaly

21.9830, 16.2239, 80.5702



Tritanomaly

28.8011, 18.9925, 38.2243

Monochromacy



Original Color

41.0993, 20.6714, 96.4315



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

21.9517, 16.0750, 38.0222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0993, 20.6714, 96.4315 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(193, 48, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 48, 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(193, 48, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 48, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.0993, 20.6714, 96.4315 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(193, 48, 255) }
```


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

```
.border{ border-color:rgb(193, 48, 255) }
```

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

Here you see how a box with a 4 pixel rgb(193, 48, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 48, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 48, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 48,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0993, 20.6714, 96.4315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 48, 255) }
```

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

```
.background{ background-color: rgb(193, 48,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor