

Converting Colors

XYZ(19.9162, 9.3696, 44.9873)

Have a look what the booklet for
XYZ(19.9162, 9.3696, 44.9873)
contains.

XYZ(19.9994, 9.4152, 45.0192)	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(19.9994, 9.4152,
45.0192)**

Conversions

Conversions Part 1

Format	Color
Hex	9005B6
RGB	144, 5, 182
RGB Percent	56%, 2%, 71%
CMY	0.4353, 0.9804, 0.2863
CMYK	0.21, 0.97, 0.00, 0.29
HSL	287°, 95%, 37%
HSV	287°, 97%, 71%
XYZ	19.9994, 9.4152, 45.0192
YIQ	66.7390, 26.0270, 84.5150

Conversions

Conversions Part 2

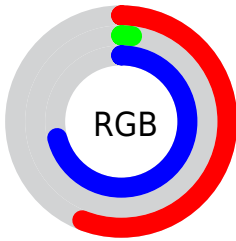
Format	Color
R_{YB}	144, 5, 182
Decimal	9438646
CIE _{Lab}	36.77, 69.93, -58.01
CIE _{LCh}	37, 90.858, 320.322
Yxy	9.4152, 0.2687, 0.1265
Android (android.graphics.Color)	4287628726 (0xFF9005B6)
YUV	66.7390, 56.8237, 67.7579
Hunter-Lab	30.6842, 62.6457, -65.5101

Details

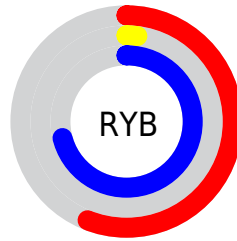
The XYZ color **19.9994, 9.4152, 45.0192** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **17.7518, 33.9806, 5.7670**, and the grayscale version is **5.2054, 5.4764, 5.9638**.

A 20% lighter version of the original color is **42.8795, 24.6734, 84.1638**, and **7.8268, 3.5847, 20.7015** is the 20% darker color. If you saturate the color by 10%, you get **19.7587, 9.2106, 44.9926**, and if you desaturate by 10%, it is **20.9504, 10.2858, 45.1373**.

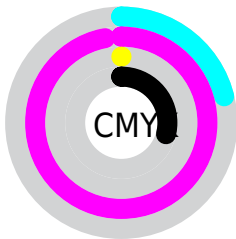
Distribution



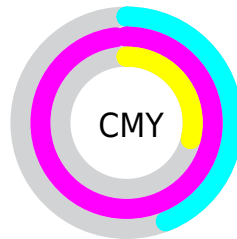
- Red (56%)
- Green (2%)
- Blue (71%)



- Red (56%)
- Yellow (2%)
- Blue (71%)



- Cyan (21%)
- Magenta (97%)
- Yellow (0%)
- Black (29%)



- Cyan (44%)
- Magenta (98%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9994, 9.4152, 45.0192 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 19.9994, 9.4152, 45.0192 by changing the saturation by 10% instead.

19.9994, 9.4152,
45.0192

19.9994, 9.4152,
45.0192

244.7455,
186.4458, 383.0137

12.5029, 5.0130,
31.1295

42.9201, 24.6896,
84.0680

7.1618, 2.2549,
20.4382

59.0750, 36.3305,
110.0641

3.6107, 0.7497,
12.5267

78.8468, 51.1532,
140.9328

1.4843, 0.0000,
6.9766

102.6007, 69.5419,
177.0926

0.3151, 0.0000,
3.3692

130.7022, 91.8812,
218.9621

0.0000, 0.0000,
1.2861

163.5166,

0.0000, 0.0000,

118.5553, 266.9597

0.0504

201.4092,
149.9487, 321.5041

■ 0.0000, 0.0000,
0.0000

■ 19.9994, 9.4152,
45.0192

■ 19.9994, 9.4152,
45.0192

■ 19.7587, 9.2106,
44.9926

■ 20.9504, 10.2858,
45.1373

■ 22.1652, 11.6492,
45.3364

■ 23.6957, 13.6083,
45.6339

■ 25.5777, 16.2342,
46.0416

■ 27.8416, 19.5876,
46.5695

■ 30.5147, 23.7225,
47.2267

■ 33.6214, 28.6876,
48.0214

■ 37.1844, 34.5278,
48.9608

■ 41.2244, 41.2846,
50.0521

Harmonies

Analogous

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



13.2135, 9.4152, 74.4393



19.9994, 9.4152, 45.0192



24.2284, 9.4152, 16.3300

Triad

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



19.9994, 9.4152, 45.0192



10.8755, 9.4152, 0.0000



2.1892, 9.4152, 25.0438

Complementary

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



19.9994, 9.4152, 45.0192



17.7518, 33.9806, 5.7670

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.



1.9940, 9.4152, 5.9067



19.9994, 9.4152, 45.0192



5.7174, 9.4152, 0.0000

Square

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



19.9994, 9.4152, 45.0192



17.6902, 9.4152, 0.0000



2.9728, 9.4152, 0.3767



3.6998, 9.4152, 56.7085

Rectangle

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



19.9994, 9.4152, 45.0192



24.1878, 9.4152, 5.6747



2.9728, 9.4152, 0.3767



2.0017, 9.4152, 16.7975

Sweetspot

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



19.9999, 9.4156, 45.0194



59.6227, 49.8582, 86.7169



9.3830, 5.1633, 44.7582



12.6345, 10.1568, 19.0162



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.9999, 9.4156, 45.0194



35.6155, 16.5921, 81.5612



23.5005, 11.7157, 22.7993



9.1871, 9.0628, 11.3445



14.0109, 6.5341, 31.7758



0.5417, 0.2550, 1.1224

Inverse Universe

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



19.7819, 10.2282, 3.2174



35.5708, 18.2686, 4.7732



17.4839, 33.7656, 9.2297



9.0814, 9.0429, 9.7762



13.9034, 7.1351, 2.1124



0.5132, 0.2608, 0.1962

Previews

White Background



This preview shows how the XYZ color 19.9994, 9.4152, 45.0192 looks on a white 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

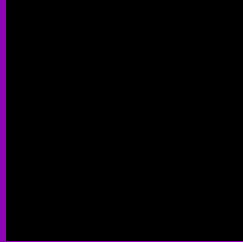
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9994, 9.4152, 45.0192

Background



This preview shows how black text looks on a background with the XYZ color 19.9994, 9.4152, 45.0192.



This preview shows how white text looks on a background with the XYZ color 19.9994, 9.4152,

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

19.9994, 9.4152, 45.0192

Protanopia

11.5660, 9.9509, 44.4911

Deuteranopia

9.9126, 9.9508, 33.7460



Tritanopia

12.6461, 9.7094, 8.2288

Trichromacy



Original Color

19.9994, 9.4152, 45.0192

Protanomaly

11.2198, 6.9925, 44.4744

Deuteranomaly

10.0071, 6.7518, 37.3350

Tritanomaly

13.9425, 8.3392, 17.0944

Monochromacy



Original Color

19.9994, 9.4152, 45.0192

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

8.3803, 5.3384, 15.0567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9994, 9.4152, 45.0192 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(144, 5, 182)` looks like.

```
.text, #text, p{  
    color:rgb(144, 5, 182)  
}
```

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(144, 5, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 5, 182) }
```

Border

The CSS property to change the border of an element to XYZ 19.9994, 9.4152, 45.0192 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(144, 5, 182) }
```


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

```
.border{ border-color:rgb(144, 5, 182) }
```

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

Here you see how a box with a 4 pixel rgb(144, 5, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 5, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 5, 182);  
box-shadow:4px 4px 4px 4px rgb(144, 5,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9994, 9.4152, 45.0192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 5, 182) }
```

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

```
.background{ background-color: rgb(144, 5,  
182) }
```

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