

Converting Colors

XYZ(9.5485, 4.2845, 45.8131)

Have a look what the booklet for
XYZ(9.5485, 4.2845, 45.8131)
contains.

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Color

**XYZ(9.5291, 4.2843,
45.6721)**

Conversions

Conversions Part 1

Format	Color
Hex	2114B8
RGB	33, 20, 184
RGB Percent	13%, 8%, 72%
CMY	0.8705, 0.9216, 0.2784
CMYK	0.82, 0.89, 0.00, 0.28
HSL	245°, 80%, 40%
HSV	245°, 89%, 72%
XYZ	9.5291, 4.2843, 45.6721
YIQ	42.5830, -44.8960, 53.7600

Conversions

Conversions Part 2

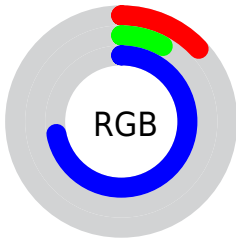
Format	Color
RYB	33, 20, 184
Decimal	2167992
CIELab	24.59, 57.32, -79.73
CIELCh	25, 98.197, 305.714
Yxy	4.2843, 0.1602, 0.0720
Android (android.graphics.Color)	4280358072 (0xFF2114B8)
YUV	42.5830, 69.7186, -8.4043
Hunter-Lab	20.6986, 45.9545, -116.3365

Details

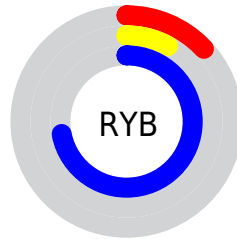
The XYZ color **9.5291, 4.2843, 45.6721** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **34.0562, 42.9869, 7.1638**, and the grayscale version is **2.1951, 2.3094, 2.5149**.

A 20% lighter version of the original color is **24.5012, 14.2368, 84.6757**, and **3.9624, 1.5850, 20.8660** is the 20% darker color. If you saturate the color by 10%, you get **8.8840, 3.6061, 45.5754**, and if you desaturate by 10%, it is **10.6706, 5.5491, 45.8562**.

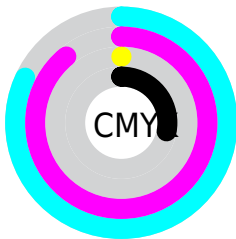
Distribution



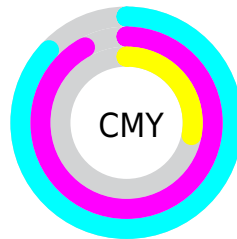
- Red (13%)
- Green (8%)
- Blue (72%)



- Red (13%)
- Yellow (8%)
- Blue (72%)



- Cyan (82%)
- Magenta (89%)
- Yellow (0%)
- Black (28%)



- Cyan (87%)
- Magenta (92%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.5291, 4.2843, 45.6721 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 9.5291, 4.2843, 45.6721 by changing the saturation by 10% instead.

■ 9.5291, 4.2843,
45.6721

■ 9.5291, 4.2843,
45.6721

181.4021,
142.6773, 385.7280

■ 5.1477, 1.8338,
31.6404

■ 24.5637, 14.2504,
85.0572

■ 2.3698, 0.5081,
20.8244

■ 35.9477, 22.5348,
111.2476

■ 0.8300, 0.0000,
12.8057

■ 50.3966, 33.5326,
142.3279

■ 0.0000, 0.0000,
7.1657

■ 68.2757, 47.6283,
178.7168

■ 0.0000, 0.0000,
3.4860

■ 89.9505, 65.2062,
220.8327

■ 0.0000, 0.0000,
1.3478

■ 115.7863, 86.6508,


■ 0.0000, 0.0000,


269.0941


0.1005


 146.1484,
112.3463, 323.9198


 0.0000, 0.0000,
0.0000

 9.5291, 4.2843,
45.6721


 9.5291, 4.2843,
45.6721


 8.8840, 3.6061,
45.5754


 10.6706, 5.5491,
45.8562

 8.8425, 3.5590,
45.5685

 12.4121, 7.5559,
46.1518

 14.8220, 10.3960,
46.5730

 17.9595, 14.1472,
47.1317

 21.8769, 18.8786,
47.8384

■ 26.6219, 24.6523,
48.7028

■ 32.2382, 31.5255,
49.7335

■ 38.7665, 39.5513,
50.9385

■ 46.2450, 48.7792,
52.3255

Harmonies

Analogous

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



4.7936, 4.2843, 64.1812



9.5291, 4.2843, 45.6721



14.0646, 4.2843, 18.2992

Triad

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



9.5291, 4.2843, 45.6721



7.5933, 4.2843, 0.0000



0.2022, 4.2843, 6.9057

Complementary

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



9.5291, 4.2843, 45.6721



34.0562, 42.9869, 7.1638

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.



0.4024, 4.2843, 0.1404



9.5291, 4.2843, 45.6721



3.4269, 4.2843, 0.0000

Square

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



9.5291, 4.2843, 45.6721



12.5617, 4.2843, 0.0000



1.2378, 4.2843, 0.0000



0.6411, 4.2843, 28.0799

Rectangle

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



9.5291, 4.2843, 45.6721



15.4504, 4.2843, 6.2918



1.2378, 4.2843, 0.0000



0.1970, 4.2843, 3.3458

Sweetspot

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



9.5295, 4.2843, 45.6723



49.8603, 46.6437, 88.5798



23.8964, 33.5219, 50.5585



10.0656, 9.2216, 18.9710



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.



9.5295, 4.2843, 45.6723



15.9529, 6.4122, 82.6015



15.7028, 7.4668, 45.9612



8.5854, 8.7526, 11.3164



6.1193, 2.4658, 31.4065



0.2381, 0.0985, 1.1082

Inverse Universe

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



27.3657, 13.6298, 39.7048



48.8400, 23.6754, 70.1689



21.5873, 36.5589, 6.5802



9.3493, 9.1501, 11.1870



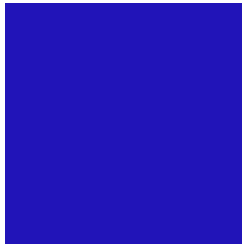
18.5963, 9.0123, 26.8247



0.6647, 0.3214, 0.9939

Previews

White Background



This preview shows how the XYZ color 9.5291, 4.2843, 45.6721 looks on a white background.

Color Contrast Check

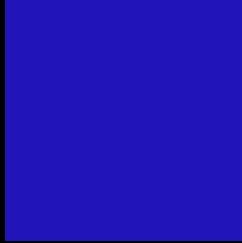
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 9.5291, 4.2843, 45.6721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

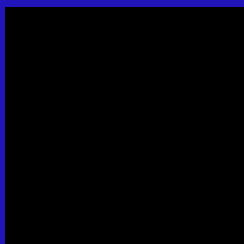
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.5291, 4.2843, 45.6721

Background



This preview shows how black text looks on a background with the XYZ color 9.5291, 4.2843, 45.6721.



This preview shows how white text looks on a background with the XYZ color 9.5291, 4.2843,

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

9.5291, 4.2843, 45.6721

Protanopia

4.8533, 4.2823, 18.3401

Deuteranopia

4.0670, 4.2968, 13.1854



Tritanopia

3.0224, 4.3261, 6.3059

Trichromacy



Original Color

9.5291, 4.2843, 45.6721

Protanomaly

6.0102, 3.8627, 26.4154

Deuteranomaly

5.2935, 3.6981, 22.2646

Tritanomaly

4.1192, 3.4225, 15.4824

Monochromacy



Original Color

9.5291, 4.2843, 45.6721

Achromatopsia

2.2962, 2.4158, 2.6308

Achromatomaly

3.4581, 2.4416, 10.8787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.5291, 4.2843, 45.6721 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(33, 20, 184)` looks like.

```
.text, #text, p{  
    color:rgb(33, 20, 184)  
}
```

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(33, 20, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 20, 184) }
```

Border

The CSS property to change the border of an element to XYZ 9.5291, 4.2843, 45.6721 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(33, 20, 184) }
```


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

```
.border{ border-color:rgb(33, 20, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 20, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 20, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 20, 184);  
box-shadow:4px 4px 4px 4px rgb(33, 20,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 9.5291, 4.2843, 45.6721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 20, 184) }
```

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

```
.background{ background-color: rgb(33, 20,  
184) }
```

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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