

Converting Colors

XYZ(20.4965, 14.5417, 39.1619)

Have a look what the booklet for
XYZ(20.4965, 14.5417, 39.1619)
contains.

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Color

**XYZ(20.5633, 14.5958,
39.2696)**

Conversions

Conversions Part 1

Format	Color
Hex	8855A9
RGB	136, 85, 169
RGB Percent	53%, 33%, 66%
CMY	0.4667, 0.6667, 0.3373
CMYK	0.20, 0.50, 0.00, 0.34
HSL	276°, 33%, 50%
HSV	276°, 50%, 66%
XYZ	20.5633, 14.5958, 39.2696
YIQ	109.8250, 3.4320, 36.9360

Conversions

Conversions Part 2

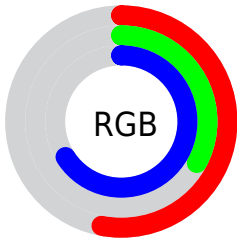
Format	Color
R _Y B	136, 85, 169
Decimal	8934825
CIE Lab	45.08, 36.90, -37.06
CIE LCh	45, 52.301, 314.880
Yxy	14.5958, 0.2763, 0.1961
Android (android.graphics.Color)	4287124905 (0xFF8855A9)
YUV	109.8250, 29.1733, 22.9555
Hunter-Lab	38.2045, 29.2187, -34.1999

Details

The XYZ color **20.5633, 14.5958, 39.2696** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **23.2992, 32.8837, 13.7140**, and the grayscale version is **14.6898, 15.4548, 16.8303**.

A 20% lighter version of the original color is **43.8806, 34.1209, 75.5074**, and **7.4701, 4.4689, 16.9919** is the 20% darker color. If you saturate the color by 10%, you get **18.3433, 11.7068, 38.8292**, and if you desaturate by 10%, it is **23.1689, 18.1558, 39.8197**.

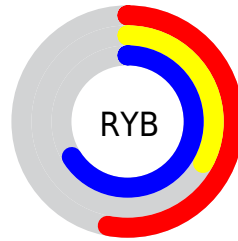
Distribution



Red (53%)

Green (33%)

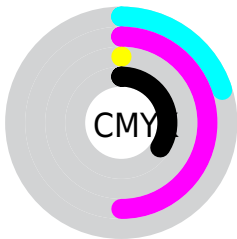
Blue (66%)



Red (53%)

Yellow (33%)

Blue (66%)

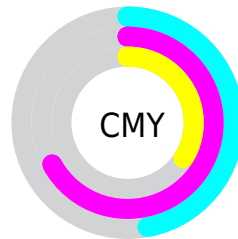


Cyan (20%)

Magenta (50%)

Yellow (0%)

Black (34%)



Cyan (47%)

Magenta (67%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5633, 14.5958, 39.2696 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 20.5633, 14.5958, 39.2696 by changing the saturation by 10% instead.

■ 20.5633, 14.5958,
39.2696

■ 20.5633, 14.5958,
39.2696

247.7244,
220.9065, 358.4955

■ 12.9158, 8.5362,
26.6601

■ 43.8564, 34.1425,
75.2749

■ 7.4472, 4.4399,
17.0879

■ 60.2327, 48.3984,
99.5077

■ 3.7921, 1.9226,
10.1346

■ 80.2493, 66.1552,
128.4520

■ 1.5852, 0.5619,
5.3815

■ 104.2715, 87.7973,
162.5265

■ 0.3827, 0.0000,
2.4102

■ 132.6648,
113.7091, 202.1495

■ 0.0000, 0.0000,
0.7920

165.7945,

■ 0.0000, 0.0000,

144.2750, 247.7396

0.0000

204.0259,
179.8793, 299.7154

■ 20.5633, 14.5958,
39.2696

■ 20.5633, 14.5958,
39.2696

■ 18.3433, 11.7068,
38.8292

■ 23.1689, 18.1558,
39.8197

■ 16.4831, 9.4406,
38.4898

■ 26.1805, 22.4273,
40.4854

■ 14.9559, 7.7448,
38.2430

■ 29.6185, 27.4491,
41.2735

■ 13.7298, 6.5576,
38.0785

■ 33.5018, 33.2572,
42.1899

■ 12.7383, 5.7476,
37.9744

■ 37.8478, 39.8849,
43.2401

■ 12.7103, 5.7251,
37.9715

■ 42.6730, 47.3635,
44.4293

■ 47.9931, 55.7228,
45.7624

■ 53.8228, 64.9911,
47.2442

■ 60.1766, 75.1954,
48.8789

Harmonies

Analogous

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



16.1063, 14.5958, 51.5215



20.5633, 14.5958, 39.2696



23.4837, 14.5958, 22.9039

Triad

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



20.5633, 14.5958, 39.2696



16.1433, 14.5958, 2.2413



7.3179, 14.5958, 22.7817

Complementary

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



20.5633, 14.5958, 39.2696



23.2992, 32.8837, 13.7140

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.



7.3238, 14.5958, 10.4813



20.5633, 14.5958, 39.2696



11.8561, 14.5958, 2.2344

Square

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



20.5633, 14.5958, 39.2696



20.5952, 14.5958, 4.3551



8.8182, 14.5958, 4.3256



8.8001, 14.5958, 39.1414

Rectangle

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



20.5633, 14.5958, 39.2696



23.8496, 14.5958, 13.9619



8.8182, 14.5958, 4.3256



7.1577, 14.5958, 17.9930

Sweetspot

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



20.5639, 14.5964, 39.2699



56.0285, 53.5949, 74.6169



17.4575, 17.8950, 40.0704



11.9120, 11.2346, 16.1928



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.5639, 14.5964, 39.2699



32.3578, 20.3458, 69.4468



26.0088, 17.4916, 35.5393



7.5523, 7.5173, 9.4713



9.5342, 4.2985, 28.3027



0.2869, 0.1329, 0.6912

Inverse Universe

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



22.8811, 16.2405, 19.0686



37.4608, 23.9163, 27.2257



19.9283, 31.1050, 15.4031



7.6486, 7.5893, 8.4667



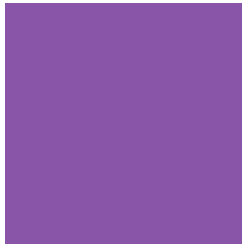
12.9610, 6.5931, 4.6061



0.3406, 0.1705, 0.2451

Previews

White Background



This preview shows how the XYZ color 20.5633, 14.5958, 39.2696 looks on a white background.

Color Contrast Check

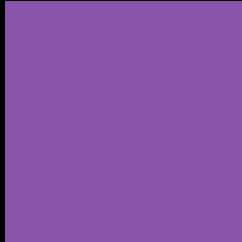
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.5633, 14.5958, 39.2696 looks on a black 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

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

XYZ 20.5633, 14.5958, 39.2696

Background



This preview shows how black text looks on a background with the XYZ color 20.5633, 14.5958, 39.2696.



This preview shows how white text looks on a background with the XYZ color 20.5633, 14.5958,

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

20.5633, 14.5958, 39.2696

Protanopia

16.4457, 14.7906, 49.0018

Deuteranopia

15.1911, 14.8517, 37.6633



Tritanopia

15.8681, 14.6327, 16.1754

Trichromacy



Original Color

20.5633, 14.5958, 39.2696

Protanomaly

17.1290, 14.2244, 45.0228

Deuteranomaly

16.4904, 14.3295, 37.9731

Tritanomaly

17.3274, 14.5420, 23.0127

Monochromacy



Original Color

20.5633, 14.5958, 39.2696

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.3582, 14.8680, 23.4804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5633, 14.5958, 39.2696 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(136, 85, 169)` looks like.

```
.text, #text, p{  
    color:rgb(136, 85, 169)  
}
```

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(136, 85, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 85, 169) }
```

Border

The CSS property to change the border of an element to XYZ 20.5633, 14.5958, 39.2696 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(136, 85, 169) }
```


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

```
.border{ border-color:rgb(136, 85, 169) }
```

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

Here you see how a box with a 4 pixel rgb(136, 85, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 85, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 85, 169);  
box-shadow:4px 4px 4px 4px rgb(136, 85,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5633, 14.5958, 39.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 85, 169) }
```

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

```
.background{ background-color: rgb(136, 85,  
169) }
```

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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