

Converting Colors

XYZ(20.8300, 11.2510, 54.4578)

Have a look what the booklet for
XYZ(20.8300, 11.2510, 54.4578)
contains.

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Color

**XYZ(20.8494, 11.2640,
54.5014)**

Conversions

Conversions Part 1

Format	Color
Hex	8432C6
RGB	132, 50, 198
RGB Percent	52%, 20%, 78%
CMY	0.4823, 0.8039, 0.2235
CMYK	0.33, 0.75, 0.00, 0.22
HSL	273°, 60%, 49%
HSV	273°, 75%, 78%
XYZ	20.8494, 11.2640, 54.5014
YIQ	91.3900, 1.3640, 63.4120

Conversions

Conversions Part 2

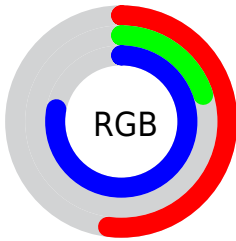
Format	Color
R_{YB}	132, 50, 198
Decimal	8663750
CIE _{Lab}	40.02, 60.07, -62.21
CIE _{LCh}	40, 86.481, 314.000
Yxy	11.2640, 0.2407, 0.1300
Android (android.graphics.Color)	4286853830 (0xFF8432C6)
YUV	91.3900, 52.5587, 35.6150
Hunter-Lab	33.5619, 52.1549, -72.7882

Details

The XYZ color **20.8494, 11.2640, 54.5014** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **27.9723, 44.3316, 10.1004**, and the grayscale version is **9.9170, 10.4335, 11.3621**.

A 20% lighter version of the original color is **44.2355, 28.0678, 97.6939**, and **7.8596, 3.4790, 26.2439** is the 20% darker color. If you saturate the color by 10%, you get **18.8557, 9.2398, 54.2160**, and if you desaturate by 10%, it is **23.3269, 14.0809, 54.9148**.

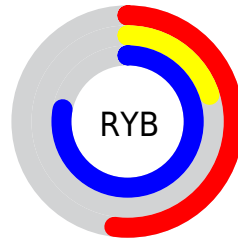
Distribution



Red (52%)

Green (20%)

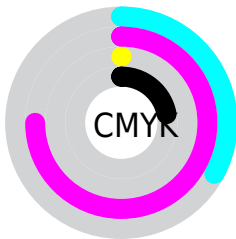
Blue (78%)



Red (52%)

Yellow (20%)

Blue (78%)

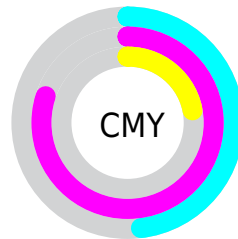


Cyan (33%)

Magenta (75%)

Yellow (0%)

Black (22%)



Cyan (48%)

Magenta (80%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8494, 11.2640, 54.5014 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 20.8494, 11.2640, 54.5014 by changing the saturation by 10% instead.

■ 20.8494, 11.2640,
54.5014

■ 20.8494, 11.2640,
54.5014

■ 249.2239,
199.4699, 421.2477

■ 13.1258, 6.2447,
38.6068

■ 44.3299, 28.1473,
98.2739

■ 7.5928, 2.9944,
26.1485

■ 60.8176, 40.7801,
126.9888

■ 3.8851, 1.1288,
16.7080

■ 80.9572, 56.7196,
160.8142

■ 1.6374, 0.0024,
9.8668

■ 105.1143, 76.3500,
200.1686

■ 0.4166, 0.0000,
5.2063

■ 133.6542,
100.0559, 245.4707

■ 0.0000, 0.0000,
2.3079

■ 166.9422,

■ 0.0000, 0.0000,

128.2216, 297.1388

0.7357

205.3436,
161.2314, 355.5916

■ 0.0000, 0.0000,
0.0000

■ 20.8494, 11.2640,
54.5014

■ 20.8494, 11.2640,
54.5014

■ 18.8557, 9.2398,
54.2160

■ 23.3269, 14.0809,
54.9148

■ 17.2903, 7.9036,
54.0406

■ 26.3313, 17.7746,
55.4694

■ 16.5869, 7.3734,
53.9753

■ 29.9022, 22.4195,
56.1777

■ 34.0743, 28.0816,
57.0507

■ 38.8794, 34.8205,
58.0982

■ 44.3470, 42.6914,
59.3293

■ 50.5045, 51.7457,
60.7524

■ 57.3776, 62.0313,
62.3755

■ 64.9906, 73.5936,
64.2060

Harmonies

Analogous

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



13.7369, 11.2640, 80.0405



20.8494, 11.2640, 54.5014



26.0068, 11.2640, 23.7704

Triad

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



20.8494, 11.2640, 54.5014



14.2000, 11.2640, 0.0000



2.9742, 11.2640, 22.0851

Complementary

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



20.8494, 11.2640, 54.5014



27.9723, 44.3316, 10.1004

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.



3.0187, 11.2640, 5.2408



20.8494, 11.2640, 54.5014



8.1575, 11.2640, 0.0000

Square

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



20.8494, 11.2640, 54.5014



21.2953, 11.2640, 0.6242



4.5386, 11.2640, 0.4750



4.3803, 11.2640, 52.3328

Rectangle

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



20.8494, 11.2640, 54.5014



26.7687, 11.2640, 10.1072



4.5386, 11.2640, 0.4750



2.8426, 11.2640, 14.7090

Sweetspot

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



20.8500, 11.2644, 54.5017



71.0781, 64.8411, 103.3771



17.8235, 17.3853, 55.8426



14.6711, 13.1052, 22.0062



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.



20.8500, 11.2644, 54.5017



31.4809, 14.6759, 95.7813



33.7896, 18.0312, 50.7595



10.6092, 10.5723, 13.3990



10.8866, 4.8465, 35.1060



0.5979, 0.2720, 1.6661

Inverse Universe

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



27.5819, 15.5481, 18.0702



45.4843, 23.5312, 22.5122



22.2583, 41.3660, 10.7350



10.8271, 10.7142, 12.0729



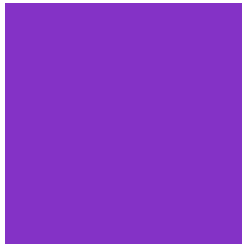
16.3404, 8.2857, 7.0026



0.8101, 0.4069, 0.5229

Previews

White Background



This preview shows how the XYZ color 20.8494, 11.2640, 54.5014 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 20.8494, 11.2640, 54.5014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

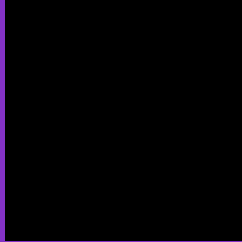
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8494, 11.2640, 54.5014

Background



This preview shows how black text looks on a background with the XYZ color 20.8494, 11.2640, 54.5014.



This preview shows how white text looks on a background with the XYZ color 20.8494, 11.2640,

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

20.8494, 11.2640, 54.5014

Protanopia

13.3667, 11.3324, 51.9350

Deuteranopia

11.3426, 11.3765, 38.6439



Tritanopia

12.3653, 11.3164, 12.3590

Trichromacy



Original Color

20.8494, 11.2640, 54.5014



Protanomaly

13.6537, 9.7374, 52.7896



Deuteranomaly

12.2243, 9.6204, 43.8605



Tritanomaly

14.3594, 10.5566, 23.1106

Monochromacy



Original Color

20.8494, 11.2640, 54.5014



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

12.5576, 9.8448, 22.3575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8494, 11.2640, 54.5014 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(132, 50, 198)` looks like.

```
.text, #text, p{  
    color:rgb(132, 50, 198)  
}
```

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(132, 50, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 50, 198) }
```

Border

The CSS property to change the border of an element to XYZ 20.8494, 11.2640, 54.5014 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(132, 50, 198) }
```


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

```
.border{ border-color:rgb(132, 50, 198) }
```

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

Here you see how a box with a 4 pixel rgb(132, 50, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 50, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 50, 198);  
box-shadow:4px 4px 4px 4px rgb(132, 50,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8494, 11.2640, 54.5014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 50, 198) }
```

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

```
.background{ background-color: rgb(132, 50,  
198) }
```

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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