

Converting Colors

XYZ(20.7935, 15.4073, 28.3368)

Have a look what the booklet for
XYZ(20.7935, 15.4073, 28.3368)
contains.

XYZ(20.8192, 15.4543, 28.2712)	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(20.8192, 15.4543,
28.2712)**

Conversions

Conversions Part 1

Format	Color
Hex	945990
RGB	148, 89, 144
RGB Percent	58%, 35%, 56%
CMY	0.4196, 0.6510, 0.4353
CMYK	0.00, 0.40, 0.03, 0.42
HSL	304°, 25%, 46%
HSV	304°, 40%, 58%
XYZ	20.8192, 15.4543, 28.2712
YIQ	112.9110, 17.5090, 29.6130

Conversions

Conversions Part 2

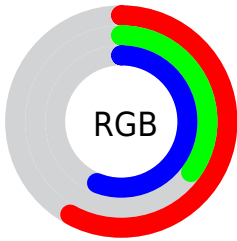
Format	Color
R_{YB}	148, 89, 144
Decimal	9722256
CIE _{Lab}	46.25, 33.08, -20.26
CIE _{LCh}	46, 38.795, 328.510
Yxy	15.4543, 0.3226, 0.2394
Android (android.graphics.Color)	4287912336 (0xFF945990)
YUV	112.9110, 15.3269, 30.7731
Hunter-Lab	39.3120, 25.7358, -15.1200

Details

The XYZ color **20.8192, 15.4543, 28.2712** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.6862, 24.0946, 14.1282**, and the grayscale version is **15.6225, 16.4361, 17.8989**.

A 20% lighter version of the original color is **44.1997, 35.5299, 57.9545**, and **7.5926, 4.8630, 10.8944** is the 20% darker color. If you saturate the color by 10%, you get **19.6330, 13.2039, 27.4992**, and if you desaturate by 10%, it is **22.2547, 18.2016, 29.1300**.

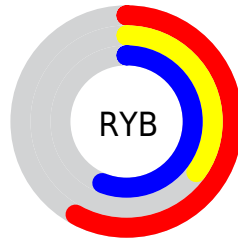
Distribution



Red (58%)

Green (35%)

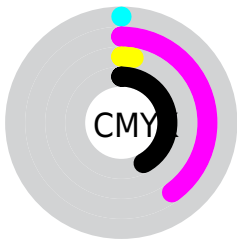
Blue (56%)



Red (58%)

Yellow (35%)

Blue (56%)

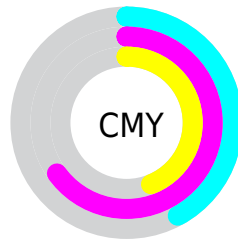


Cyan (0%)

Magenta (40%)

Yellow (3%)

Black (42%)



Cyan (42%)

Magenta (65%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8192, 15.4543, 28.2712 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 20.8192, 15.4543, 28.2712 by changing the saturation by 10% instead.

■ 20.8192, 15.4543,
28.2712

■ 20.8192, 15.4543,
28.2712

249.0660,
226.0997, 307.7132

■ 13.1036, 9.1388,
18.2894

■ 44.2800, 35.6482,
57.9454

■ 7.5774, 4.8319,
10.9864

■ 60.7559, 50.2954,
78.4749

■ 3.8753, 2.1489,
5.9436

■ 80.8826, 68.4887,
103.3574

■ 1.6318, 0.6919,
2.7426

■ 105.0255, 90.6125,
133.0114

■ 0.4130, 0.0000,
0.9647

■ 133.5500,
117.0510, 167.8554

■ 0.0000, 0.0000,
0.0000

166.8213,

148.1889, 208.3080

205.2049,
184.4103, 254.7877

■ 20.8192, 15.4543,
28.2712

■ 20.8192, 15.4543,
28.2712

■ 19.6330, 13.2039,
27.4992

■ 22.2547, 18.2016,
29.1300

■ 18.6797, 11.4184,
26.8079

■ 23.9516, 21.4711,
30.0792

■ 17.9432, 10.0654,
26.1923

■ 25.9232, 25.2888,
31.1233

■ 17.4048, 9.1077,
25.6461

■ 28.1814, 29.6785,
32.2664

■ 17.0427, 8.5013,
25.1620

■ 30.7372, 34.6624,
33.5120

■ 16.8011, 8.1348,
24.7213

■ 33.6012, 40.2617,
34.8638

■ 16.7979, 8.1300,
24.7154

■ 36.7836, 46.4965,
36.3251

■ 40.2938, 53.3859,
37.8992

■ 44.1411, 60.9483,
39.5890

Harmonies

Analogous

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



17.9446, 15.4543, 38.4933



20.8192, 15.4543, 28.2712



22.0229, 15.4543, 17.3061

Triad

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



20.8192, 15.4543, 28.2712



14.8551, 15.4543, 4.3836



9.7714, 15.4543, 27.1256

Complementary

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



20.8192, 15.4543, 28.2712



16.6862, 24.0946, 14.1282

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.



9.1959, 15.4543, 16.3571



20.8192, 15.4543, 28.2712



11.8528, 15.4543, 5.3466

Square

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



20.8192, 15.4543, 28.2712



18.2746, 15.4543, 5.5706



9.8982, 15.4543, 8.9822



11.6058, 15.4543, 37.6754

Rectangle

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



20.8192, 15.4543, 28.2712



21.5967, 15.4543, 11.6736



9.8982, 15.4543, 8.9822



9.4376, 15.4543, 23.3101

Sweetspot

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



20.8197, 15.4550, 28.2715



44.8677, 42.9293, 54.4613



13.4259, 11.6074, 29.5503



10.1484, 9.6178, 12.3831



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.8197, 15.4550, 28.2715



34.8130, 23.6218, 48.6374



18.8554, 14.6693, 17.9276



6.0185, 5.9025, 7.2037



14.3518, 6.9458, 21.1316



0.1798, 0.0867, 0.2803

Inverse Universe

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



20.8197, 15.4550, 28.2715



34.8130, 23.6218, 48.6374



18.2502, 24.7202, 22.3637



6.0185, 5.9025, 7.2037



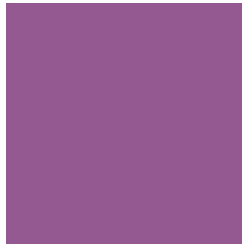
14.3518, 6.9458, 21.1316



0.1798, 0.0867, 0.2803

Previews

White Background



This preview shows how the XYZ color 20.8192, 15.4543, 28.2712 looks on a white background.

Color Contrast Check

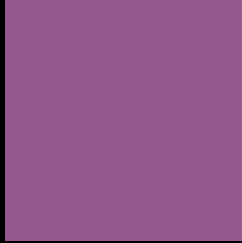
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8192, 15.4543, 28.2712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

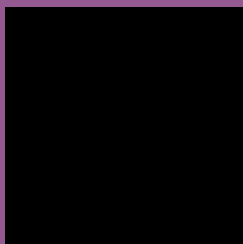
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8192, 15.4543, 28.2712

Background



This preview shows how black text looks on a background with the XYZ color 20.8192, 15.4543, 28.2712.



This preview shows how white text looks on a background with the XYZ color 20.8192, 15.4543,

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

20.8192, 15.4543, 28.2712

Protanopia

16.2367, 15.6080, 34.9578

Deuteranopia

15.9960, 15.6515, 27.3773



Tritanopia

18.1522, 15.4089, 15.3821

Trichromacy



Original Color

20.8192, 15.4543, 28.2712

Protanomaly

17.4258, 15.2179, 32.5907

Deuteranomaly

17.4213, 15.3253, 27.6311

Tritanomaly

19.0095, 15.3571, 19.4151

Monochromacy



Original Color

20.8192, 15.4543, 28.2712

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.1926, 15.7915, 21.2107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8192, 15.4543, 28.2712 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(148, 89, 144)` looks like.

```
.text, #text, p{  
    color:rgb(148, 89, 144)  
}
```

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(148, 89, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 89, 144) }
```

Border

The CSS property to change the border of an element to XYZ 20.8192, 15.4543, 28.2712 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(148, 89, 144) }
```


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

```
.border{ border-color:rgb(148, 89, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 89, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 89, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 89, 144);  
box-shadow:4px 4px 4px 4px rgb(148, 89,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8192, 15.4543, 28.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 89, 144) }
```

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

```
.background{ background-color: rgb(148, 89,  
144) }
```

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