

Converting Colors

XYZ(20.5467, 10.4974, 50.5443)

Have a look what the booklet for
XYZ(20.5467, 10.4974, 50.5443)
contains.

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Color

**XYZ(20.6572, 10.5322,
50.8133)**

Conversions

Conversions Part 1

Format	Color
Hex	8A25C0
RGB	138, 37, 192
RGB Percent	54%, 15%, 75%
CMY	0.4588, 0.8549, 0.2471
CMYK	0.28, 0.81, 0.00, 0.25
HSL	279°, 68%, 45%
HSV	279°, 81%, 75%
XYZ	20.6572, 10.5322, 50.8133
YIQ	84.8690, 10.4410, 69.6170

Conversions

Conversions Part 2

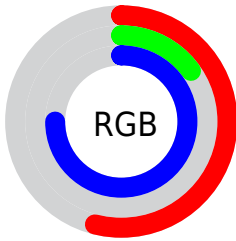
Format	Color
RYB	138, 37, 192
Decimal	9053632
CIELab	38.78, 64.49, -60.68
CIElCh	39, 88.552, 316.743
Yxy	10.5322, 0.2519, 0.1284
Android (android.graphics.Color)	4287243712 (0xFF8A25C0)
YUV	84.8690, 52.8156, 46.5959
Hunter-Lab	32.4534, 56.8254, -70.1150

Details

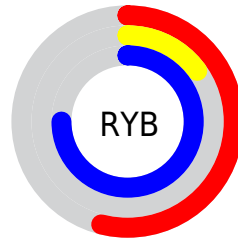
The XYZ color **20.6572, 10.5322, 50.8133** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **23.4982, 40.0572, 8.2439**, and the grayscale version is **8.4996, 8.9423, 9.7381**.

A 20% lighter version of the original color is **43.9560, 26.7597, 92.4709**, and **7.9087, 3.5555, 23.9364** is the 20% darker color. If you saturate the color by 10%, you get **19.1363, 9.0824, 50.6138**, and if you desaturate by 10%, it is **22.5612, 12.6456, 51.1211**.

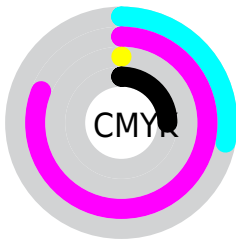
Distribution



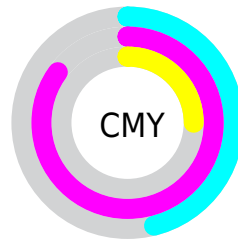
- Red (54%)
- Green (15%)
- Blue (75%)



- Red (54%)
- Yellow (15%)
- Blue (75%)



- Cyan (28%)
- Magenta (81%)
- Yellow (0%)
- Black (25%)



- Cyan (46%)
- Magenta (85%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6572, 10.5322, 50.8133 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 20.6572, 10.5322, 50.8133 by changing the saturation by 10% instead.

■ 20.6572, 10.5322,
50.8133

■ 20.6572, 10.5322,
50.8133

248.2174,
194.4294, 406.6638

■ 12.9847, 5.7532,
35.6844

■ 44.0119, 26.7918,
92.7874

■ 7.4949, 2.6956,
23.9028

■ 60.4248, 39.0412,
120.4697

■ 3.8226, 0.9750,
15.0500

■ 80.4819, 54.5496,
153.1734

■ 1.6023, 0.0000,
8.7074

■ 104.5485, 73.7013,
191.3172

■ 0.3939, 0.0000,
4.4567

■ 132.9900, 96.8808,
235.3196

■ 0.0000, 0.0000,
1.8791

■ 166.1718,

■ 0.0000, 0.0000,

124.4723, 285.5992

0.4794

204.4591,
156.8604, 342.5744

■ 0.0000, 0.0000,
0.0000

■ 20.6572, 10.5322,
50.8133

■ 20.6572, 10.5322,
50.8133

■ 19.1363, 9.0824,
50.6138

■ 22.5612, 12.6456,
51.1211

■ 17.9881, 8.1741,
50.4990

■ 24.8911, 15.5085,
51.5509

■ 27.6851, 19.1950,
52.1152

■ 30.9763, 23.7695,
52.8247

■ 34.7945, 29.2899,
53.6890

■ 39.1670, 35.8093,
54.7169

■ 44.1190, 43.3767,
55.9166

■ 49.6741, 52.0377,
57.2955

■ 55.8547, 61.8352,
58.8609

Harmonies

Analogous

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



13.6183, 10.5322, 78.3857



20.6572, 10.5322, 50.8133



25.4615, 10.5322, 20.5685

Triad

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



20.6572, 10.5322, 50.8133



12.8217, 10.5322, 0.0000



2.6350, 10.5322, 23.4957

Complementary

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



20.6572, 10.5322, 50.8133



23.4982, 40.0572, 8.2439

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.



2.5628, 10.5322, 5.5475



20.6572, 10.5322, 50.8133



7.1039, 10.5322, 0.0000

Square

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



20.6572, 10.5322, 50.8133



19.8817, 10.5322, 0.1658



3.8445, 10.5322, 0.4322



4.1062, 10.5322, 54.6497

Rectangle

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



20.6572, 10.5322, 50.8133



25.8778, 10.5322, 8.0820



3.8445, 10.5322, 0.4322



2.4743, 10.5322, 15.6875

Sweetspot

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



20.6577, 10.5326, 50.8136



67.9515, 60.3488, 98.4273



14.0402, 11.7245, 51.3924



13.9708, 12.0429, 20.9735



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



20.6577, 10.5326, 50.8136



32.9321, 15.1064, 91.5404



29.5380, 15.3851, 38.8263



10.1457, 10.0663, 12.6931



12.1907, 5.5450, 33.9844



0.5988, 0.2767, 1.4717

Inverse Universe

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



24.2883, 13.2852, 11.1819



41.3993, 21.2400, 12.0305



20.4351, 38.4217, 10.6492



10.2148, 10.1345, 11.2219



15.3405, 7.8260, 4.4392



0.6956, 0.3513, 0.3647

Previews

White Background



This preview shows how the XYZ color 20.6572, 10.5322, 50.8133 looks on a white background.

Color Contrast Check

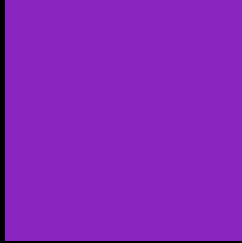
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6572, 10.5322, 50.8133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

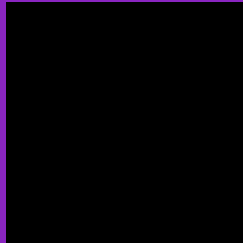
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.6572, 10.5322, 50.8133

Background



This preview shows how black text looks on a background with the XYZ color 20.6572, 10.5322, 50.8133.



This preview shows how white text looks on a background with the XYZ color 20.6572, 10.5322,

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

20.6572, 10.5322, 50.8133

Protanopia

12.6495, 10.7756, 48.9902

Deuteranopia

10.6136, 10.6498, 36.1465



Tritanopia

12.4085, 10.5660, 10.4023

Trichromacy



Original Color

20.6572, 10.5322, 50.8133

Protanomaly

12.6909, 8.7326, 49.1608

Deuteranomaly

11.3379, 8.4992, 41.0873

Tritanomaly

14.3444, 9.7733, 20.5324

Monochromacy



Original Color

20.6572, 10.5322, 50.8133

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

11.4141, 8.5325, 20.1141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6572, 10.5322, 50.8133 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(138, 37, 192)` looks like.

```
.text, #text, p{  
    color:rgb(138, 37, 192)  
}
```

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(138, 37, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 37, 192) }
```

Border

The CSS property to change the border of an element to XYZ 20.6572, 10.5322, 50.8133 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(138, 37, 192) }
```


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

```
.border{ border-color:rgb(138, 37, 192) }
```

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

Here you see how a box with a 4 pixel rgb(138, 37, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 37, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 37, 192);  
box-shadow:4px 4px 4px 4px rgb(138, 37,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6572, 10.5322, 50.8133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 37, 192) }
```

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

```
.background{ background-color: rgb(138, 37,  
192) }
```

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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