

Converting Colors

XYZ(20.0673, 13.2818, 42.4791)

Have a look what the booklet for
XYZ(20.0673, 13.2818, 42.4791)
contains.

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Color

**XYZ(20.0938, 13.2900,
42.5805)**

Conversions

Conversions Part 1

Format	Color
Hex	854CB0
RGB	133, 76, 176
RGB Percent	52%, 30%, 69%
CMY	0.4784, 0.7020, 0.3098
CMYK	0.24, 0.57, 0.00, 0.31
HSL	274°, 40%, 49%
HSV	274°, 57%, 69%
XYZ	20.0938, 13.2900, 42.5805
YIQ	104.4430, 1.8720, 43.1840

Conversions

Conversions Part 2

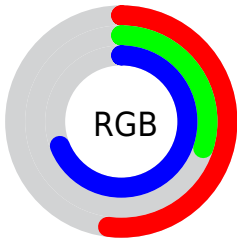
Format	Color
R_{YB}	133, 76, 176
Decimal	8735920
CIE _{Lab}	43.20, 42.70, -44.19
CIE _{LCh}	43, 61.451, 314.016
Yxy	13.2900, 0.2645, 0.1750
Android (android.graphics.Color)	4286926000 (0xFF854CB0)
YUV	104.4430, 35.2776, 25.0445
Hunter-Lab	36.4555, 34.5900, -43.7328

Details

The XYZ color **20.0938, 13.2900, 42.5805** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **24.4378, 35.4947, 12.4010**, and the grayscale version is **13.1852, 13.8719, 15.1065**.

A 20% lighter version of the original color is **43.1411, 31.8238, 80.2127**, and **7.2528, 3.8743, 19.1044** is the 20% darker color. If you saturate the color by 10%, you get **17.8910, 10.5942, 42.1765**, and if you desaturate by 10%, it is **22.7155, 16.6945, 43.0997**.

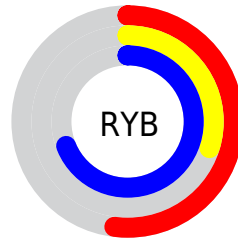
Distribution



Red (52%)

Green (30%)

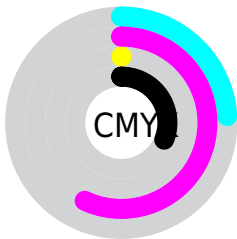
Blue (69%)



Red (52%)

Yellow (30%)

Blue (69%)

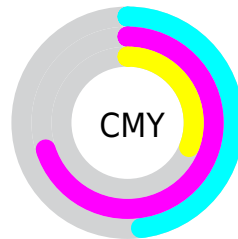


Cyan (24%)

Magenta (57%)

Yellow (0%)

Black (31%)



Cyan (48%)

Magenta (70%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0938, 13.2900, 42.5805 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 20.0938, 13.2900, 42.5805 by changing the saturation by 10% instead.

■ 20.0938, 13.2900,
42.5805

■ 20.0938, 13.2900,
42.5805

245.2464,
212.7680, 372.7541

■ 12.5719, 7.6285,
29.2271

■ 43.0771, 31.8238,
80.3570

■ 7.2094, 3.8582,
19.0057

■ 59.2693, 45.4649,
105.6172

■ 3.6409, 1.5946,
11.4975

■ 79.0822, 62.5348,
135.6835

■ 1.5010, 0.3539,
6.2842

■ 102.8813, 83.4177,
170.9743

■ 0.3265, 0.0000,
2.9471

■ 131.0319,
108.4981, 211.9082

■ 0.0000, 0.0000,
1.0677

163.8994,

■ 0.0000, 0.0000,

138.1603, 258.9038

0.0000

201.8491,
172.7888, 312.3796

■ 20.0938, 13.2900,
42.5805

■ 20.0938, 13.2900,
42.5805

■ 17.8910, 10.5942,
42.1765

■ 22.7155, 16.6945,
43.0997

■ 16.0757, 8.5490,
41.8774

■ 25.7808, 20.8564,
43.7415

■ 14.6146, 7.0897,
41.6727

■ 29.3142, 25.8217,
44.5136

■ 13.4600, 6.1239,
41.5472

■ 33.3379, 31.6321,
45.4231

■ 13.1278, 5.8623,
41.5142

■ 37.8725, 38.3265,
46.4762

■ 42.9373, 45.9414,
47.6791

■ 48.5507, 54.5109,
49.0373

■ 54.7300, 64.0678,
50.5563

■ 61.4918, 74.6429,
52.2411

Harmonies

Analogous

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



14.9736, 13.2900, 57.5283



20.0938, 13.2900, 42.5805



23.5934, 13.2900, 22.9272

Triad

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



20.0938, 13.2900, 42.5805



15.3152, 13.2900, 1.0813



5.6849, 13.2900, 21.7689

Complementary

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



20.0938, 13.2900, 42.5805



24.4378, 35.4947, 12.4010

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.



5.7327, 13.2900, 8.4005



20.0938, 13.2900, 42.5805



10.5478, 13.2900, 1.0406

Square

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



20.0938, 13.2900, 42.5805



20.3973, 13.2900, 2.8473



7.2922, 13.2900, 2.6380



7.1396, 13.2900, 41.2904

Rectangle

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



20.0938, 13.2900, 42.5805



24.0981, 13.2900, 12.7161



7.2922, 13.2900, 2.6380



5.5397, 13.2900, 16.3794

Sweetspot

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



20.0943, 13.2905, 42.5808



60.0920, 56.8274, 82.2969



17.4539, 17.9447, 43.6183



12.7018, 11.8478, 17.7617



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.0943, 13.2905, 42.5808



31.6052, 18.2311, 76.3485



27.6820, 17.2765, 39.5764



8.4901, 8.4612, 10.6920



9.7000, 4.3363, 30.4627



0.3704, 0.1701, 0.9615

Inverse Universe

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



23.8190, 15.7313, 19.2339



39.6583, 23.4730, 27.4623



20.0547, 33.2069, 13.4693



8.6430, 8.5639, 9.6184



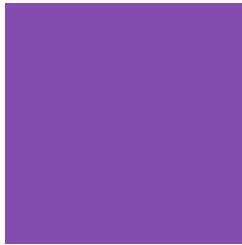
14.1140, 7.1632, 5.7603



0.4735, 0.2372, 0.3364

Previews

White Background



This preview shows how the XYZ color 20.0938, 13.2900, 42.5805 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 20.0938, 13.2900, 42.5805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

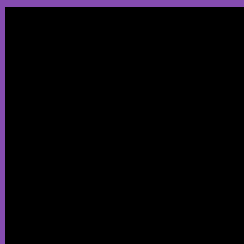
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0938, 13.2900, 42.5805

Background



This preview shows how black text looks on a background with the XYZ color 20.0938, 13.2900, 42.5805.



This preview shows how white text looks on a background with the XYZ color 20.0938, 13.2900,

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

20.0938, 13.2900, 42.5805

Protanopia

15.7255, 13.5394, 55.8174

Deuteranopia

13.8883, 13.5106, 40.4039



Tritanopia

14.4255, 13.2286, 14.6250

Trichromacy



Original Color

20.0938, 13.2900, 42.5805

Protanomaly

16.0467, 12.7396, 50.9035

Deuteranomaly

15.2035, 12.7771, 41.2001

Tritanomaly

15.9764, 12.9511, 22.7769

Monochromacy



Original Color

20.0938, 13.2900, 42.5805

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.1022, 13.2620, 22.8829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0938, 13.2900, 42.5805 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(133, 76, 176)` looks like.

```
.text, #text, p{  
    color:rgb(133, 76, 176)  
}
```

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(133, 76, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 76, 176) }
```

Border

The CSS property to change the border of an element to XYZ 20.0938, 13.2900, 42.5805 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(133, 76, 176) }
```


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

```
.border{ border-color:rgb(133, 76, 176) }
```

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

Here you see how a box with a 4 pixel rgb(133, 76, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 76, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 76, 176);  
box-shadow:4px 4px 4px 4px rgb(133, 76,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0938, 13.2900, 42.5805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 76, 176) }
```

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

```
.background{ background-color: rgb(133, 76,  
176) }
```

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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