

Converting Colors

XYZ(33.3192, 20.7745, 96.8615)

Have a look what the booklet for
XYZ(33.3192, 20.7745, 96.8615)
contains.

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Color

**XYZ(33.3787, 20.8036,
96.8640)**

Conversions

Conversions Part 1

Format	Color
Hex	905CFF
RGB	144, 92, 255
RGB Percent	56%, 36%, 100%
CMY	0.4353, 0.6392, 0.0000
CMYK	0.44, 0.64, 0.00, 0.00
HSL	259°, 100%, 68%
HSV	259°, 64%, 100%
XYZ	33.3787, 20.8036, 96.8640
YIQ	126.1300, -21.3310, 61.7170

Conversions

Conversions Part 2

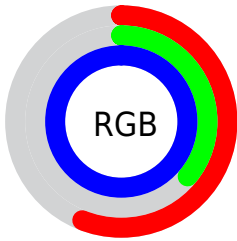
Format	Color
R_{YB}	144, 92, 255
Decimal	9460991
CIE _{Lab}	52.73, 56.49, -73.85
CIE _{LCh}	53, 92.977, 307.417
Yxy	20.8036, 0.2210, 0.1377
Android (android.graphics.Color)	4287651071 (0xFF905CFF)
YUV	126.1300, 63.5329, 15.6720
Hunter-Lab	45.6110, 50.8094, -93.9865

Details

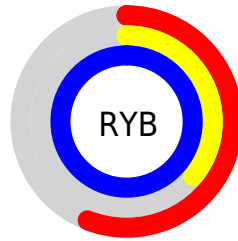
The XYZ color **33.3787, 20.8036, 96.8640** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **62.3196, 84.9888, 23.2454**, and the grayscale version is **19.6723, 20.6968, 22.5388**.

A 20% lighter version of the original color is **53.0772, 40.3082, 99.5905**, and **14.4383, 7.4561, 53.5015** is the 20% darker color. If you saturate the color by 10%, you get **28.7265, 15.6597, 96.1163**, and if you desaturate by 10%, it is **39.2423, 27.6752, 97.8813**.

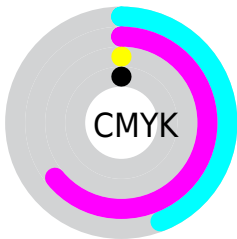
Distribution



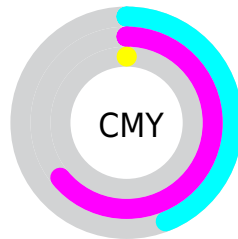
- Red (56%)
- Green (36%)
- Blue (100%)



- Red (56%)
- Yellow (36%)
- Blue (100%)



- Cyan (44%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3787, 20.8036, 96.8640 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 33.3787, 20.8036, 96.8640 by changing the saturation by 10% instead.

 33.3787, 20.8036,
96.8640


 33.3787, 20.8036,
96.8640

308.9876,
256.2329, 571.2514


 22.5773, 12.9805,
73.0819


 64.3171, 44.7604,
158.8550

 14.4007, 7.4151,
53.5507


 85.1848, 61.6630,
197.9009

 8.4834, 3.7230,
37.8519


 110.1386, 82.3608,
242.8719

 4.4602, 1.5199,
25.5668

 139.5440,
107.2383, 294.1865

 1.9656, 0.3027,
16.2770

173.7662,
136.6799, 352.2632

 0.6146, 0.0000,
9.5639

213.1706,

 0.0000, 0.0000,

171.0699, 417.5205

5.0090

258.1227,
210.7928, 490.3771

■ 0.0000, 0.0000,
2.1937

■ 0.0000, 0.0000,
0.6707

■ 33.3787, 20.8036,
96.8640

■ 33.3787, 20.8036,
96.8640

■ 28.7265, 15.6597,
96.1163

■ 39.2423, 27.6752,
97.8813

■ 25.1836, 12.0747,
95.6111

■ 46.4015, 36.4173,
99.1914

■ 22.6327, 9.8467,
95.3155

■ 54.9358, 47.1596,
100.8150

■ 21.4739, 8.9851,
95.2102

■ 64.9170, 60.0195,
102.7712

■ 76.4116, 75.1051,
105.0772

■ 89.4821, 92.5170,
107.7491

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



22.2751, 20.8036, 127.3211



33.3787, 20.8036, 96.8640



42.4239, 20.8036, 49.9141

Triad

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



33.3787, 20.8036, 96.8640



27.8184, 20.8036, 0.3546



6.4617, 20.8036, 30.2547

Complementary

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



33.3787, 20.8036, 96.8640



62.3196, 84.9888, 23.2454

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.



7.0840, 20.8036, 7.7265



33.3787, 20.8036, 96.8640



17.4661, 20.8036, 0.0000

Square

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



33.3787, 20.8036, 96.8640



38.5504, 20.8036, 3.2457



10.4816, 20.8036, 1.2124



8.3667, 20.8036, 72.9441

Rectangle

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



33.3787, 20.8036, 96.8640



44.8103, 20.8036, 25.1402



10.4816, 20.8036, 1.2124



6.3970, 20.8036, 20.3328

Sweetspot

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



33.3796, 20.8042, 96.8641



70.3805, 67.1587, 103.8612



43.9104, 52.3887, 102.4055



14.3750, 13.4723, 22.0927



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.



33.3796, 20.8042, 96.8641



27.5224, 14.3983, 95.9363



52.9651, 30.9009, 97.7806



17.5485, 17.6590, 22.7336



11.3570, 4.7652, 49.7558



1.2137, 0.5196, 4.8496

Inverse Universe

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



55.8464, 33.2262, 59.9678



52.3400, 28.1737, 52.7559



45.7015, 76.4219, 22.4677



18.5316, 18.1960, 21.4165



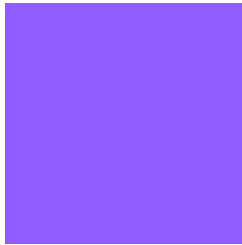
25.5937, 12.7268, 22.3089



2.5418, 1.2591, 2.4343

Previews

White Background



This preview shows how the XYZ color 33.3787, 20.8036, 96.8640 looks on a white background.

Color Contrast Check

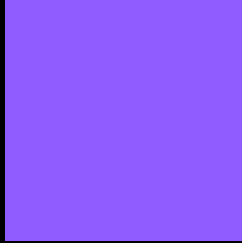
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.3787, 20.8036, 96.8640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

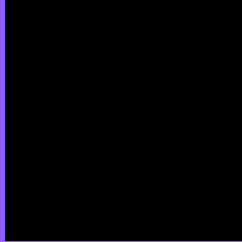
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.3787, 20.8036, 96.8640

Background



This preview shows how black text looks on a background with the XYZ color 33.3787, 20.8036, 96.8640.



This preview shows how white text looks on a background with the XYZ color 33.3787, 20.8036,

96.8640.

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

33.3787, 20.8036, 96.8640

Protanopia

25.1759, 21.0435, 97.3426

Deuteranopia

21.0385, 20.7661, 72.7114



Tritanopia

19.1750, 20.6297, 26.6382

Trichromacy



Original Color

33.3787, 20.8036, 96.8640



Protanomaly

25.8059, 19.4957, 97.0107



Deuteranomaly

22.5423, 18.9897, 81.0745



Tritanomaly

22.8597, 19.7655, 45.7903

Monochromacy



Original Color

33.3787, 20.8036, 96.8640



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

23.2330, 20.0383, 42.1784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3787, 20.8036, 96.8640 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(144, 92, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 92, 255)  
}
```

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(144, 92, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 92, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.3787, 20.8036, 96.8640 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(144, 92, 255) }
```


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

```
.border{ border-color:rgb(144, 92, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 92, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 92, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 92, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 92,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3787, 20.8036, 96.8640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 92, 255) }
```

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

```
.background{ background-color: rgb(144, 92,  
255) }
```

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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