

Converting Colors

XYZ(31.8225, 20.7352, 83.4499)

Have a look what the booklet for
XYZ(31.8225, 20.7352, 83.4499)
contains.

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Color

**XYZ(31.7376, 20.6534,
83.2027)**

Conversions

Conversions Part 1

Format	Color
Hex	945FEE
RGB	148, 95, 238
RGB Percent	58%, 37%, 93%
CMY	0.4196, 0.6274, 0.0667
CMYK	0.38, 0.60, 0.00, 0.07
HSL	262°, 81%, 65%
HSV	262°, 60%, 93%
XYZ	31.7376, 20.6534, 83.2027
YIQ	127.1490, -14.3150, 55.7090

Conversions

Conversions Part 2

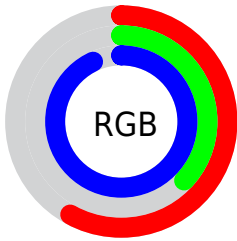
Format	Color
R _{YB}	148, 95, 238
Decimal	9723886
CIE Lab	52.57, 51.33, -64.63
CIE LCh	53, 82.531, 308.459
Yxy	20.6534, 0.2341, 0.1523
Android (android.graphics.Color)	4287913966 (0xFF945FEE)
YUV	127.1490, 54.6495, 18.2863
Hunter-Lab	45.4460, 45.1264, -76.7361

Details

The XYZ color **31.7376, 20.6534, 83.2027** 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 **52.6475, 72.2898, 22.0054**, and the grayscale version is **20.0466, 21.0905, 22.9676**.

A 20% lighter version of the original color is **54.3720, 41.6652, 99.7842**, and **13.4576, 7.3112, 44.4180** is the 20% darker color. If you saturate the color by 10%, you get **27.3757, 15.6939, 82.4757**, and if you desaturate by 10%, it is **37.1067, 27.1043, 84.1653**.

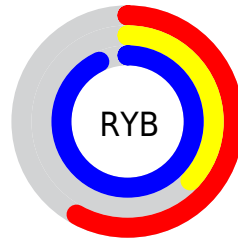
Distribution



Red (58%)

Green (37%)

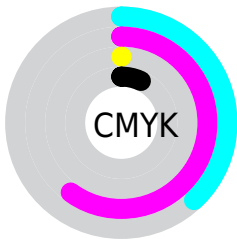
Blue (93%)



Red (58%)

Yellow (37%)

Blue (93%)

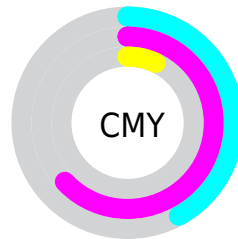


Cyan (38%)

Magenta (60%)

Yellow (0%)

Black (7%)



Cyan (42%)

Magenta (63%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7376, 20.6534, 83.2027 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 31.7376, 20.6534, 83.2027 by changing the saturation by 10% instead.

31.7376, 20.6534,
83.2027

31.7376, 20.6534,
83.2027

301.6888,
255.4307, 525.6505

21.3157, 12.8709,
61.8158

61.7675, 44.5100,
139.7111

13.4688, 7.3397,
44.4491

82.1062, 61.3528,
175.6697

7.8313, 3.6754,
30.6839

106.4812, 81.9846,
217.3226

4.0381, 1.4937,
20.1018

135.2580,
106.7896, 265.0883

1.7237, 0.2843,
12.2843

168.8017,
136.1524, 319.3854

0.4710, 0.0000,
6.8127

207.4779,

0.0000, 0.0000,

170.4572, 380.6325

3.2686

251.6518,
210.0885, 449.2480

■ 0.0000, 0.0000,
1.2334

■ 0.0000, 0.0000,
0.0062

■ 31.7376, 20.6534,
83.2027

■ 31.7376, 20.6534,
83.2027

■ 27.3757, 15.6939,
82.4757

■ 37.1067, 27.1043,
84.1653

■ 23.9429, 12.0932,
81.9617

■ 43.5467, 35.1591,
85.3806

■ 21.3525, 9.6976,
81.6358

■ 51.1191, 44.9215,
86.8658

■ 19.4775, 8.2583,
81.4568

■ 59.8795, 56.4857,
88.6362

69.8795, 69.9389,
90.7059

81.1679, 85.3627,
93.0880

91.6477, 98.5484,
95.0808

92.4327, 98.9531,
95.1175

Harmonies

Analogous

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



22.1501, 20.6534, 108.6451



31.7376, 20.6534, 83.2027



39.2439, 20.6534, 44.5924

Triad

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



31.7376, 20.6534, 83.2027



26.3089, 20.6534, 0.9696



7.4434, 20.6534, 30.1515

Complementary

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



31.7376, 20.6534, 83.2027



52.6475, 72.2898, 22.0054

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.



7.9631, 20.6534, 9.2490



31.7376, 20.6534, 83.2027



17.3095, 20.6534, 0.6293

Square

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



31.7376, 20.6534, 83.2027



35.5290, 20.6534, 4.0735



11.0760, 20.6534, 2.0952



9.3636, 20.6534, 66.3393

Rectangle

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



31.7376, 20.6534, 83.2027



41.0854, 20.6534, 23.7789



11.0760, 20.6534, 2.0952



7.3532, 20.6534, 21.2448

Sweetspot

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



31.7385, 20.6541, 83.2032



72.2744, 69.0570, 104.1278



37.6202, 43.5420, 87.3110



14.7794, 13.8597, 22.1462



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.



31.7385, 20.6541, 83.2032



31.0517, 17.3054, 96.3114



48.7187, 29.4077, 83.9979



15.4507, 15.5140, 19.9018



10.9973, 4.6747, 45.4506



1.0212, 0.4437, 3.7860

Inverse Universe

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



48.1093, 29.8647, 49.1269



52.4829, 29.4032, 49.8943



39.5887, 65.5577, 21.3943



16.1913, 15.9262, 18.5637



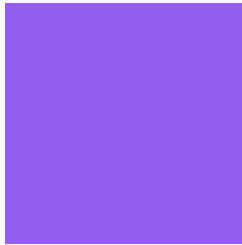
22.7977, 11.3915, 17.3830



1.9444, 0.9668, 1.6982

Previews

White Background



This preview shows how the XYZ color 31.7376, 20.6534, 83.2027 looks on a white background.

Color Contrast Check

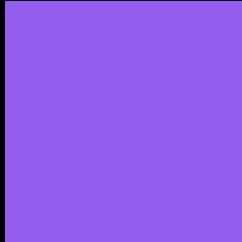
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7376, 20.6534, 83.2027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

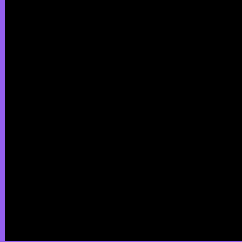
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7376, 20.6534, 83.2027

Background



This preview shows how black text looks on a background with the XYZ color 31.7376, 20.6534, 83.2027.



This preview shows how white text looks on a background with the XYZ color 31.7376, 20.6534,

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

31.7376, 20.6534, 83.2027

Protanopia

25.1966, 21.0542, 97.3436

Deuteranopia

21.3098, 20.8746, 74.1402



Tritanopia

19.9682, 20.4965, 25.4580

Trichromacy



Original Color

31.7376, 20.6534, 83.2027



Protanomaly

25.2078, 19.6212, 92.0812



Deuteranomaly

22.0496, 18.9882, 77.3659



Tritanomaly

23.0244, 19.7754, 41.6332

Monochromacy



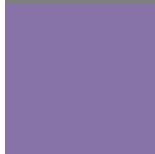
Original Color

31.7376, 20.6534, 83.2027



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

23.0975, 20.2024, 39.2413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7376, 20.6534, 83.2027 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, 95, 238)` looks like.

```
.text, #text, p{  
    color:rgb(148, 95, 238)  
}
```

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, 95, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 95, 238) }
```

Border

The CSS property to change the border of an element to XYZ 31.7376, 20.6534, 83.2027 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, 95, 238) }
```


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

```
.border{ border-color:rgb(148, 95, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 95, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 95, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 95, 238);  
box-shadow:4px 4px 4px 4px rgb(148, 95,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7376, 20.6534, 83.2027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 95, 238) }
```

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

```
.background{ background-color: rgb(148, 95,  
238) }
```

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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