

Converting Colors

XYZ(31.1131, 17.7187, 96.3879)

Have a look what the booklet for
XYZ(31.1131, 17.7187, 96.3879)
contains.

XYZ(31.0473, 17.6554, 96.3792)	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(31.0473, 17.6554,
96.3792)**

Conversions

Conversions Part 1

Format	Color
Hex	8A4BFF
RGB	138, 75, 255
RGB Percent	54%, 29%, 100%
CMY	0.4588, 0.7059, 0.0000
CMYK	0.46, 0.71, 0.00, 0.00
HSL	261°, 100%, 65%
HSV	261°, 71%, 100%
XYZ	31.0473, 17.6554, 96.3792
YIQ	114.3570, -20.2320, 69.3360

Conversions

Conversions Part 2

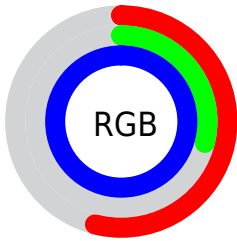
Format	Color
R_{YB}	138, 75, 255
Decimal	9063423
CIE _{Lab}	49.08, 63.85, -79.83
CIE _{LCh}	49, 102.226, 308.654
Yxy	17.6554, 0.2140, 0.1217
Android (android.graphics.Color)	4287253503 (0xFF8A4BFF)
YUV	114.3570, 69.3370, 20.7349
Hunter-Lab	42.0183, 58.3614, -106.5831

Details

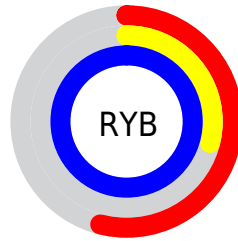
The XYZ color **31.0473, 17.6554, 96.3792** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **58.7669, 83.2338, 19.6250**, and the grayscale version is **15.9047, 16.7330, 18.2222**.

A 20% lighter version of the original color is **49.3224, 34.8005, 98.7253**, and **13.1025, 5.8880, 53.2692** is the 20% darker color. If you saturate the color by 10%, you get **27.1150, 13.5548, 95.7950**, and if you desaturate by 10%, it is **36.0923, 23.3576, 97.2139**.

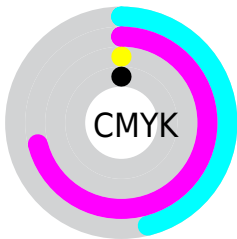
Distribution



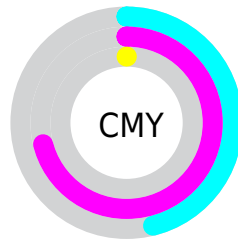
- Red (54%)
- Green (29%)
- Blue (100%)



- Red (54%)
- Yellow (29%)
- Blue (100%)



- Cyan (46%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0473, 17.6554, 96.3792 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 31.0473, 17.6554, 96.3792 by changing the saturation by 10% instead.


 31.0473, 17.6554,
96.3792


 31.0473, 17.6554,
96.3792


298.5792,
238.9215, 569.6677


 20.7869, 10.7029,
72.6802


 60.6899, 39.4493,
158.1806


 13.0799, 5.8674,
53.2243


 80.8027, 55.0594,
197.1200


 7.5609, 2.7646,
37.5929


 104.9304, 74.3241,
241.9767

 3.8647, 1.0101,
25.3675

 133.4383, 97.6279,
293.1692

 1.6259, 0.0000,
16.1296

 166.6918,
125.3552, 351.1160

 0.4092, 0.0000,
9.4605

205.0562,

 0.0000, 0.0000,

157.8902, 416.2357

4.9419

248.8969,
195.6175, 488.9467

■ 0.0000, 0.0000,
2.1551

■ 0.0000, 0.0000,
0.6483

■ 31.0473, 17.6554,
96.3792

■ 31.0473, 17.6554,
96.3792

■ 27.1150, 13.5548,
95.7950

■ 36.0923, 23.3576,
97.2139

■ 24.1855, 10.8679,
95.4307

■ 42.3390, 30.8169,
98.3245

■ 22.1946, 9.3566,
95.2440

■ 49.8693, 40.1714,
99.7332

■ 58.7569, 51.5444,
101.4600

■ 69.0693, 65.0489,
103.5231

■ 80.8692, 80.7890,
105.9393

■ 94.2155, 98.8622,
108.7244

■ 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.



19.6956, 17.6554, 132.0093



31.0473, 17.6554, 96.3792



40.3262, 17.6554, 45.3950

Triad

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



31.0473, 17.6554, 96.3792



24.3846, 17.6554, 0.0000



4.3929, 17.6554, 28.2628

Complementary

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



31.0473, 17.6554, 96.3792



58.7669, 83.2338, 19.6250

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.



4.8367, 17.6554, 5.7392



31.0473, 17.6554, 96.3792



14.1690, 17.6554, 0.0000

Square

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



31.0473, 17.6554, 96.3792



35.5736, 17.6554, 1.5382



7.7319, 17.6554, 0.3343



6.1440, 17.6554, 74.2642

Rectangle

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



31.0473, 17.6554, 96.3792



42.6174, 17.6554, 20.4851



7.7319, 17.6554, 0.3343



4.3101, 17.6554, 18.0153

Sweetspot

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



31.0482, 17.6559, 96.3792



68.6157, 64.4494, 103.4313



39.8013, 46.4151, 101.4690



14.0494, 12.9552, 22.0101



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.



31.0482, 17.6559, 96.3792



25.7060, 12.2077, 95.6092



52.5610, 28.7461, 97.3860



17.6027, 17.6869, 22.7361



11.7424, 4.9639, 49.7738



1.2562, 0.5415, 4.8516

Inverse Universe

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



53.2699, 30.0977, 52.8679



50.0911, 25.9222, 45.0808



42.5095, 74.8528, 18.8642



18.5068, 18.1860, 21.2859



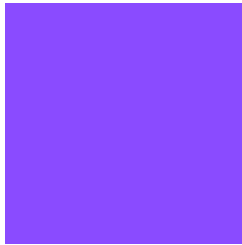
25.2063, 12.5718, 20.2688



2.5060, 1.2448, 2.2461

Previews

White Background



This preview shows how the XYZ color 31.0473, 17.6554, 96.3792 looks on a white background.

Color Contrast Check

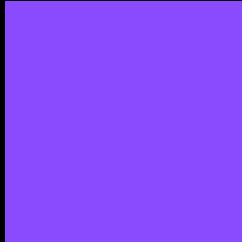
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0473, 17.6554, 96.3792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

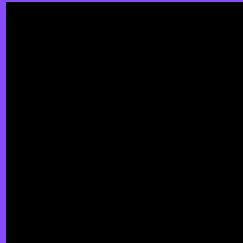
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0473, 17.6554, 96.3792

Background



This preview shows how black text looks on a background with the XYZ color 31.0473, 17.6554, 96.3792.



This preview shows how white text looks on a background with the XYZ color 31.0473, 17.6554,

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

31.0473, 17.6554, 96.3792

Protanopia

21.0802, 17.7028, 82.4267

Deuteranopia

17.6163, 17.6014, 60.2265



Tritanopia

16.1349, 17.4924, 22.6046

Trichromacy



Original Color

31.0473, 17.6554, 96.3792



Protanomaly

22.1064, 16.1334, 87.5369



Deuteranomaly

19.4849, 15.7063, 71.8167



Tritanomaly

19.7275, 16.3406, 42.1587

Monochromacy



Original Color

31.0473, 17.6554, 96.3792



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

19.5171, 16.0419, 37.6650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0473, 17.6554, 96.3792 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, 75, 255)` looks like.

```
.text, #text, p{  
  color:rgb(138, 75, 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(138, 75, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 75, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.0473, 17.6554, 96.3792 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, 75, 255) }
```


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

```
.border{ border-color:rgb(138, 75, 255) }
```

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

Here you see how a box with a 4 pixel rgb(138, 75, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 75, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 75, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 75,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0473, 17.6554, 96.3792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 75, 255) }
```

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

```
.background{ background-color: rgb(138, 75,  
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](#).

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