

Converting Colors

XYZ(30.4601, 17.5057, 96.3813)

Have a look what the booklet for
XYZ(30.4601, 17.5057, 96.3813)
contains.

XYZ(30.5354, 17.5961, 96.3947)	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(30.5354, 17.5961,
96.3947)**

Conversions

Conversions Part 1

Format	Color
Hex	864DFF
RGB	134, 77, 255
RGB Percent	53%, 30%, 100%
CMY	0.4745, 0.6980, 0.0000
CMYK	0.47, 0.70, 0.00, 0.00
HSL	259°, 100%, 65%
HSV	259°, 70%, 100%
XYZ	30.5354, 17.5961, 96.3947
YIQ	114.3350, -23.1660, 67.4420

Conversions

Conversions Part 2

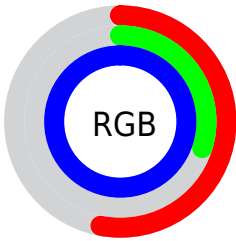
Format	Color
RYB	134, 77, 255
Decimal	8801791
CIELab	49.00, 62.26, -79.97
CIELCh	49, 101.348, 307.904
Yxy	17.5961, 0.2113, 0.1218
Android (android.graphics.Color)	4286991871 (0xFF864DFF)
YUV	114.3350, 69.3478, 17.2462
Hunter-Lab	41.9477, 56.5288, -106.8834

Details

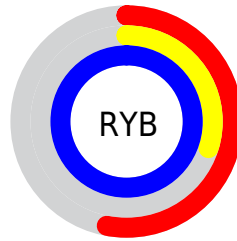
The XYZ color **30.5354, 17.5961, 96.3947** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **60.3869, 84.0609, 20.0639**, and the grayscale version is **15.8988, 16.7267, 18.2154**.

A 20% lighter version of the original color is **48.5383, 34.7874, 98.7641**, and **12.8005, 5.8328, 53.2745** is the 20% darker color. If you saturate the color by 10%, you get **26.5479, 13.3908, 95.7932**, and if you desaturate by 10%, it is **35.6762, 23.4332, 97.2505**.

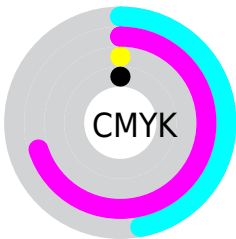
Distribution



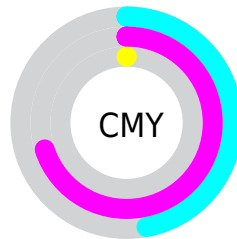
- Red (53%)
- Green (30%)
- Blue (100%)



- Red (53%)
- Yellow (30%)
- Blue (100%)



- Cyan (47%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5354, 17.5961, 96.3947 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 30.5354, 17.5961, 96.3947 by changing the saturation by 10% instead.

 30.5354, 17.5961,
96.3947

 30.5354, 17.5961,
96.3947


296.2574,
238.5845, 569.7184

 20.3954, 10.6604,
72.6930


 59.8887, 39.3479,
158.2021

 12.7927, 5.8390,
53.2347

 79.8327, 54.9327,
197.1450


 7.3620, 2.7474,
37.6012


 103.7754, 74.1695,
242.0054

 3.7378, 1.0013,
25.3739

 132.0823, 97.4424,
293.2018

 1.5549, 0.0000,
16.1343

 165.1185,
125.1360, 351.1527

 0.3627, 0.0000,
9.4638

203.2495,

 0.0000, 0.0000,

157.6346, 416.2768

4.9440

246.8407,
195.3226, 488.9925

■ 0.0000, 0.0000,
2.1563

■ 0.0000, 0.0000,
0.6490

■ 30.5354, 17.5961,
96.3947

■ 30.5354, 17.5961,
96.3947

■ 26.5479, 13.3908,
95.7932

■ 35.6762, 23.4332,
97.2505

■ 23.6021, 10.6306,
95.4157

■ 42.0612, 31.0572,
98.3855

■ 21.5355, 9.0249,
95.2147

■ 49.7744, 40.6064,
99.8222

■ 21.5006, 8.9989,
95.2115

■ 58.8913, 52.2045,
101.5803

■ 69.4813, 65.9648,
103.6782

■ 81.6090, 81.9920,
106.1325

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.



19.3465, 17.5961, 130.5251



30.5354, 17.5961, 96.3947



39.8061, 17.5961, 46.1156

Triad

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



30.5354, 17.5961, 96.3947



24.5224, 17.5961, 0.0000



4.4196, 17.5961, 27.2325

Complementary

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



30.5354, 17.5961, 96.3947



60.3869, 84.0609, 20.0639

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.



4.9149, 17.5961, 5.5041



30.5354, 17.5961, 96.3947



14.3509, 17.5961, 0.0000

Square

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



30.5354, 17.5961, 96.3947



35.5208, 17.5961, 1.6821



7.8691, 17.5961, 0.3160



6.1027, 17.5961, 72.1157

Rectangle

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



30.5354, 17.5961, 96.3947



42.2074, 17.5961, 21.1236



7.8691, 17.5961, 0.3160



4.3539, 17.5961, 17.3204

Sweetspot

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



30.5363, 17.5966, 96.3948



68.1348, 64.2015, 103.4088



41.4498, 49.4761, 101.9730



13.9362, 12.8968, 22.0048



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.



30.5363, 17.5966, 96.3948



25.1919, 12.0686, 95.6095



50.9405, 28.1153, 97.3497



17.5506, 17.6601, 22.7337



11.3713, 4.7726, 49.7565



1.2153, 0.5205, 4.8497

Inverse Universe

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



54.0863, 30.6448, 56.4872



50.9317, 26.3943, 49.0886



43.4845, 75.3474, 19.2728



18.5306, 18.1956, 21.4114



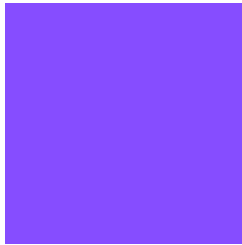
25.5781, 12.7205, 22.2267



2.5403, 1.2585, 2.4268

Previews

White Background



This preview shows how the XYZ color 30.5354, 17.5961, 96.3947 looks on a white background.

Color Contrast Check

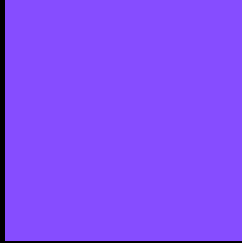
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.5354, 17.5961, 96.3947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

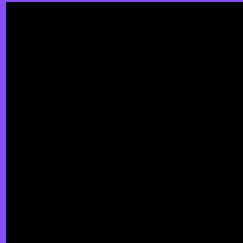
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.5354, 17.5961, 96.3947

Background



This preview shows how black text looks on a background with the XYZ color 30.5354, 17.5961, 96.3947.



This preview shows how white text looks on a background with the XYZ color 30.5354, 17.5961,

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

30.5354, 17.5961, 96.3947

Protanopia

20.9345, 17.6445, 81.6592

Deuteranopia

17.4959, 17.5533, 59.5927



Tritanopia

15.7486, 17.4615, 22.9624

Trichromacy



Original Color

30.5354, 17.5961, 96.3947

Protanomaly

21.9061, 16.0477, 86.7370

Deuteranomaly

19.5362, 15.8813, 71.8478

Tritanomaly

19.2724, 16.4014, 42.1944

Monochromacy



Original Color

30.5354, 17.5961, 96.3947

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.3304, 16.0889, 37.6840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5354, 17.5961, 96.3947 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(134, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 77, 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(134, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 77, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.5354, 17.5961, 96.3947 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(134, 77, 255) }
```


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

```
.border{ border-color:rgb(134, 77, 255) }
```

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

Here you see how a box with a 4 pixel rgb(134, 77, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 77,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5354, 17.5961, 96.3947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 77, 255) }
```

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

```
.background{ background-color: rgb(134, 77,  
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