

Converting Colors

XYZ(34.6669, 17.2090, 96.1023)

Have a look what the booklet for
XYZ(34.6669, 17.2090, 96.1023)
contains.

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Color

**XYZ(34.7529, 17.2810,
96.1116)**

Conversions

Conversions Part 1

Format	Color
Hex	A62EFF
RGB	166, 46, 255
RGB Percent	65%, 18%, 100%
CMY	0.3490, 0.8196, 0.0000
CMYK	0.35, 0.82, 0.00, 0.00
HSL	274°, 100%, 59%
HSV	274°, 82%, 100%
XYZ	34.7529, 17.2810, 96.1116
YIQ	105.7060, 4.4310, 90.4390

Conversions

Conversions Part 2

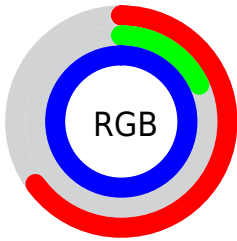
Format	Color
R _Y B	166, 46, 255
Decimal	10891007
CIE Lab	48.61, 79.04, -80.45
CIE LCh	49, 112.780, 314.491
Yxy	17.2810, 0.2346, 0.1166
Android (android.graphics.Color)	4289081087 (0xFFA62EFF)
YUV	105.7060, 73.6019, 52.8778
Hunter-Lab	41.5704, 76.4779, -107.9803

Details

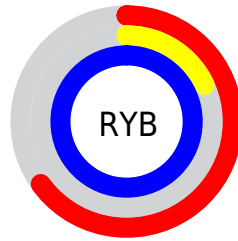
The XYZ color **34.7529, 17.2810, 96.1116** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **46.2444, 76.8679, 14.9846**, and the grayscale version is **13.4249, 14.1241, 15.3811**.

A 20% lighter version of the original color is **55.0911, 34.2760, 98.3201**, and **15.9037, 7.0345, 53.3429** is the 20% darker color. If you saturate the color by 10%, you get **31.8546, 14.7212, 95.7703**, and if you desaturate by 10%, it is **38.4354, 21.1215, 96.6588**.

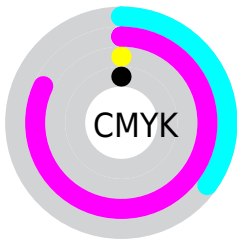
Distribution



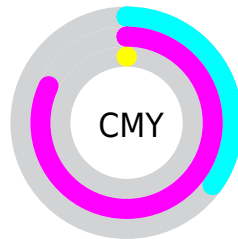
- Red (65%)
- Green (18%)
- Blue (100%)



- Red (65%)
- Yellow (18%)
- Blue (100%)



- Cyan (35%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (82%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7529, 17.2810, 96.1116 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 34.7529, 17.2810, 96.1116 by changing the saturation by 10% instead.


 34.7529, 17.2810,
96.1116


 34.7529, 17.2810,
96.1116


315.0035,
236.7865, 568.7925


 23.6382, 10.4350,
72.4585


 66.4393, 38.8083,
157.8082


 15.1887, 5.6883,
53.0442


 87.7418, 54.2584,
196.6888


 9.0391, 2.6565,
37.4501


 113.1709, 73.3453,
241.4823

 4.8240, 0.9552,
25.2576

 143.0920, 96.4535,
292.6073

 2.1781, 0.0000,
16.0484

 177.8705,
123.9674, 350.4822

 0.7311, 0.0000,
9.4036

217.8716,

 0.0000, 0.0000,

156.2712, 415.5257

4.9050

263.4608,
193.7495, 488.1563

■ 0.0000, 0.0000,
2.1339

■ 0.0000, 0.0000,
0.6358

■ 34.7529, 17.2810,
96.1116

■ 34.7529, 17.2810,
96.1116

■ 31.8546, 14.7212,
95.7703

■ 38.4354, 21.1215,
96.6588

■ 29.9781, 13.3692,
95.6082

■ 42.9952, 26.4256,
97.4423

■ 48.5130, 33.3472,
98.4875

■ 55.0587, 42.0195,
99.8164

62.6948, 52.5617,
101.4488

71.4787, 65.0822,
103.4025

81.4631, 79.6808,
105.6941

92.6973, 96.4506,
108.3389

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.



21.9413, 17.2810, 146.0973



34.7529, 17.2810, 96.1116



44.1315, 17.2810, 38.6062

Triad

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



34.7529, 17.2810, 96.1116



22.3592, 17.2810, 0.0000



3.6903, 17.2810, 37.0446

Complementary

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



34.7529, 17.2810, 96.1116



46.2444, 76.8679, 14.9846

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.



3.7243, 17.2810, 7.2988



34.7529, 17.2810, 96.1116



11.9208, 17.2810, 0.0000

Square

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



34.7529, 17.2810, 96.1116



35.1676, 17.2810, 0.3340



6.0343, 17.2810, 0.2350



5.9066, 17.2810, 93.9984

Rectangle

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



34.7529, 17.2810, 96.1116



45.4298, 17.2810, 14.6865



6.0343, 17.2810, 0.2350



3.4824, 17.2810, 23.6551

Sweetspot

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



34.7538, 17.2815, 96.1117



68.6839, 61.0608, 102.7736



28.0611, 25.5695, 98.0642



14.0390, 12.1251, 21.8504



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.



34.7538, 17.2815, 96.1117



30.4246, 13.6815, 95.6450



58.1042, 29.5690, 85.9163



18.0018, 17.8926, 22.7548



15.8385, 7.0755, 49.9655



1.6671, 0.7534, 4.8708

Inverse Universe

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



46.5900, 24.9633, 25.2835



44.1929, 22.5297, 17.2068



37.7007, 72.4264, 16.2586



18.3304, 18.1155, 20.3569



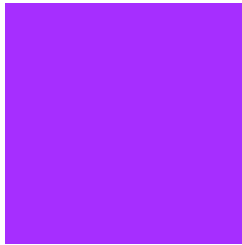
23.0505, 11.7095, 8.9163



2.2977, 1.1614, 1.1489

Previews

White Background



This preview shows how the XYZ color 34.7529, 17.2810, 96.1116 looks on a white background.

Color Contrast Check

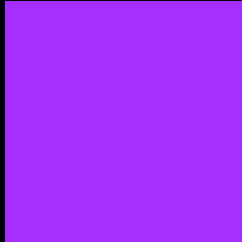
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7529, 17.2810, 96.1116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

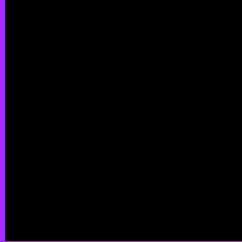
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.7529, 17.2810, 96.1116

Background



This preview shows how black text looks on a background with the XYZ color 34.7529, 17.2810, 96.1116.



This preview shows how white text looks on a background with the XYZ color 34.7529, 17.2810,

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

34.7529, 17.2810, 96.1116

Protanopia

20.6798, 17.3670, 80.8595

Deuteranopia

17.2579, 17.2687, 58.9235



Tritanopia

18.8960, 17.0348, 18.5118

Trichromacy



Original Color

34.7529, 17.2810, 96.1116



Protanomaly

21.2987, 14.1879, 85.6204



Deuteranomaly

18.8754, 13.8889, 70.7932



Tritanomaly

22.4477, 15.4834, 37.8819

Monochromacy



Original Color

34.7529, 17.2810, 96.1116



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

18.4176, 13.4679, 34.8866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7529, 17.2810, 96.1116 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(166, 46, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 46, 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(166, 46, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 46, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.7529, 17.2810, 96.1116 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(166, 46, 255) }
```


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

```
.border{ border-color:rgb(166, 46, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 46, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 46, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 46, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 46,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7529, 17.2810, 96.1116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 46, 255) }
```

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

```
.background{ background-color: rgb(166, 46,  
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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