

Converting Colors

XYZ(34.7206, 21.1777, 96.8655)

Have a look what the booklet for
XYZ(34.7206, 21.1777, 96.8655)
contains.

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Color

**XYZ(34.7592, 21.1371,
96.8556)**

Conversions

Conversions Part 1

Format	Color
Hex	9959FF
RGB	153, 89, 255
RGB Percent	60%, 35%, 100%
CMY	0.4000, 0.6510, 0.0000
CMYK	0.40, 0.65, 0.00, 0.00
HSL	263°, 100%, 67%
HSV	263°, 65%, 100%
XYZ	34.7592, 21.1371, 96.8556
YIQ	127.0600, -15.1420, 65.1940

Conversions

Conversions Part 2

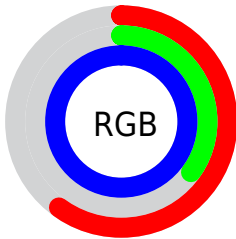
Format	Color
R _Y B	153, 89, 255
Decimal	10050047
CIE Lab	53.10, 59.72, -73.21
CIE LCh	53, 94.477, 309.204
Yxy	21.1371, 0.2276, 0.1384
Android (android.graphics.Color)	4288240127 (0xFF9959FF)
YUV	127.0600, 63.0744, 22.7494
Hunter-Lab	45.9751, 54.4974, -92.7235

Details

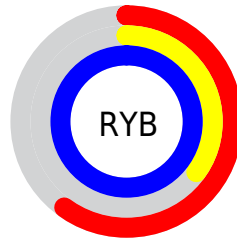
The XYZ color **34.7592, 21.1371, 96.8556** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **59.0485, 83.3174, 22.4213**, and the grayscale version is **19.9884, 21.0294, 22.9010**.

A 20% lighter version of the original color is **55.1636, 40.7121, 99.5585**, and **15.2231, 7.6201, 53.4918** is the 20% darker color. If you saturate the color by 10%, you get **30.2271, 16.1776, 96.1372**, and if you desaturate by 10%, it is **40.4160, 27.7670, 97.8371**.

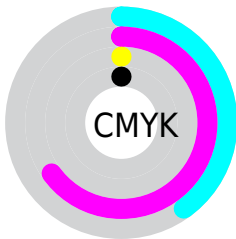
Distribution



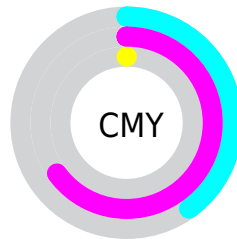
- Red (60%)
- Green (35%)
- Blue (100%)



- Red (60%)
- Yellow (35%)
- Blue (100%)



- Cyan (40%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7592, 21.1371, 96.8556 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 34.7592, 21.1371, 96.8556 by changing the saturation by 10% instead.


 34.7592, 21.1371,
96.8556


 34.7592, 21.1371,
96.8556


315.0308,
258.0062, 571.2240

 23.6431, 13.2243,
73.0750

 66.4490, 45.3156,
158.8433


 15.1924, 7.5832,
53.5451


 87.7535, 62.3500,
197.8874

 9.0417, 3.8294,
37.8474


 113.1848, 83.1938,
242.8564

 4.8257, 1.5786,
25.5633

 143.1082,
108.2313, 294.1689

 2.1791, 0.3431,
16.2744

177.8892,
137.8469, 352.2433

 0.7317, 0.0000,
9.5621

217.8930,

 0.0000, 0.0000,

172.4249, 417.4983

5.0078

263.4851,
212.3499, 490.3523

■ 0.0000, 0.0000,
2.1930

■ 0.0000, 0.0000,
0.6703

■ 34.7592, 21.1371,
96.8556

■ 34.7592, 21.1371,
96.8556

■ 30.2271, 16.1776,
96.1372

■ 40.4160, 27.7670,
97.8371

■ 26.7222, 12.7197,
95.6545

■ 47.2772, 36.2091,
99.1050

■ 24.1314, 10.5594,
95.3740

■ 55.4176, 46.5922,
100.6801

■ 23.1214, 9.8344,
95.2873

■ 64.9047, 59.0322,
102.5812

■ 75.8011, 73.6357,
104.8257

■ 88.1652, 90.5019,
107.4296

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.



23.3059, 21.1371, 130.4113



34.7592, 21.1371, 96.8556



43.7865, 21.1371, 48.4413

Triad

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



34.7592, 21.1371, 96.8556



27.6711, 21.1371, 0.2257



6.5107, 21.1371, 32.9301

Complementary

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



34.7592, 21.1371, 96.8556



59.0485, 83.3174, 22.4213

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.



6.9937, 21.1371, 8.5347



34.7592, 21.1371, 96.8556



17.1848, 21.1371, 0.0000

Square

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



34.7592, 21.1371, 96.8556



38.8447, 21.1371, 2.8553



10.2669, 21.1371, 1.3184



8.6186, 21.1371, 77.8688

Rectangle

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



34.7592, 21.1371, 96.8556



45.9107, 21.1371, 23.7839



10.2669, 21.1371, 1.3184



6.3961, 21.1371, 22.2623

Sweetspot

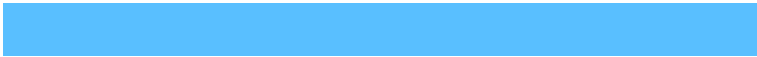
The Sweet Spot groups the original color and five complimentary colors.



34.7602, 21.1378, 96.8557



70.2792, 66.1993, 103.6814



40.8810, 46.7660, 101.4798



14.3985, 13.3084, 22.0598



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.



34.7602, 21.1378, 96.8557



29.1084, 15.0273, 95.9741



56.0930, 32.1353, 97.8540



17.6652, 17.7191, 22.7390



12.2354, 5.2181, 49.7969



1.3089, 0.5687, 4.8541

Inverse Universe

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



54.2163, 32.1665, 52.6402



50.7263, 27.3250, 44.8847



43.7925, 75.4526, 21.7073



18.4785, 18.1747, 21.1368



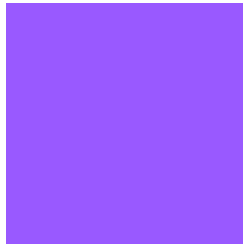
24.7899, 12.4052, 18.0757



2.4672, 1.2292, 2.0415

Previews

White Background



This preview shows how the XYZ color 34.7592, 21.1371, 96.8556 looks on a white background.

Color Contrast Check

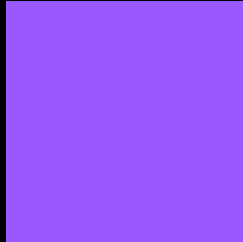
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7592, 21.1371, 96.8556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

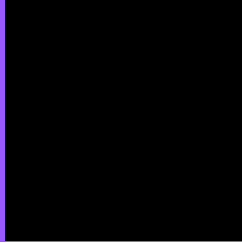
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.7592, 21.1371, 96.8556

Background



This preview shows how black text looks on a background with the XYZ color 34.7592, 21.1371, 96.8556.



This preview shows how white text looks on a background with the XYZ color 34.7592, 21.1371,

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

34.7592, 21.1371, 96.8556

Protanopia

25.5162, 21.4003, 97.3936

Deuteranopia

21.4409, 21.1368, 74.1839



Tritanopia

20.3110, 20.8521, 25.8760

Trichromacy



Original Color

34.7592, 21.1371, 96.8556



Protanomaly

26.4500, 19.8277, 97.0408



Deuteranomaly

22.7885, 18.9315, 81.8099



Tritanomaly

24.0842, 20.0773, 45.2537

Monochromacy



Original Color

34.7592, 21.1371, 96.8556



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

23.6985, 20.1005, 42.6751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7592, 21.1371, 96.8556 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(153, 89, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 89, 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(153, 89, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 89, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.7592, 21.1371, 96.8556 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(153, 89, 255) }
```


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

```
.border{ border-color:rgb(153, 89, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 89, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 89, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 89, 255); box-shadow:4px 4px 4px 4px rgb(153, 89, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7592, 21.1371, 96.8556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 89, 255) }
```

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

```
.background{ background-color: rgb(153, 89,  
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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