

Converting Colors

XYZ(34.6333, 20.7217, 96.7821)

Have a look what the booklet for
XYZ(34.6333, 20.7217, 96.7821)
contains.

XYZ(34.7042, 20.7456, 96.7829)	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(34.7042, 20.7456,
96.7829)**

Conversions

Conversions Part 1

Format	Color
Hex	9A56FF
RGB	154, 86, 255
RGB Percent	60%, 34%, 100%
CMY	0.3961, 0.6627, 0.0000
CMYK	0.40, 0.66, 0.00, 0.00
HSL	264°, 100%, 67%
HSV	264°, 66%, 100%
XYZ	34.7042, 20.7456, 96.7829
YIQ	125.5980, -13.7210, 66.9750

Conversions

Conversions Part 2

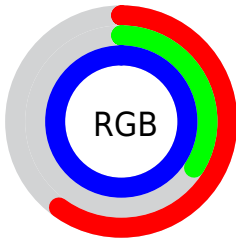
Format	Color
R_{YB}	154, 86, 255
Decimal	10114815
CIE _{Lab}	52.67, 61.38, -73.90
CIE _{LCh}	53, 96.067, 309.711
Yxy	20.7456, 0.2280, 0.1363
Android (android.graphics.Color)	4288304895 (0xFF9A56FF)
YUV	125.5980, 63.7952, 24.9086
Hunter-Lab	45.5473, 56.2979, -94.1014

Details

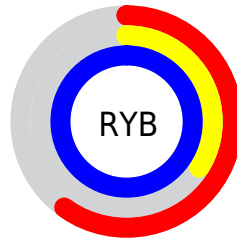
The XYZ color **34.7042, 20.7456, 96.7829** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **57.9325, 82.7563, 21.7246**, and the grayscale version is **19.4901, 20.5051, 22.3300**.

A 20% lighter version of the original color is **55.1596, 40.2723, 99.4738**, and **15.1841, 7.3909, 53.4496** is the 20% darker color. If you saturate the color by 10%, you get **30.3006, 15.9733, 96.0939**, and if you desaturate by 10%, it is **40.2038, 27.1606, 97.7313**.

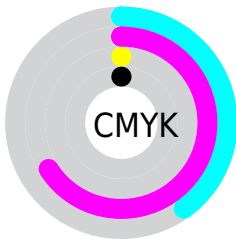
Distribution



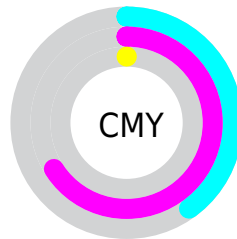
- Red (60%)
- Green (34%)
- Blue (100%)



- Red (60%)
- Yellow (34%)
- Blue (100%)



- Cyan (40%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (66%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7042, 20.7456, 96.7829 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 34.7042, 20.7456, 96.7829 by changing the saturation by 10% instead.


 34.7042, 20.7456,
96.7829


 34.7042, 20.7456,
96.7829


314.7917,
255.9234, 570.9866

 23.6006, 12.9382,
73.0147


 66.3643, 44.6638,
158.7422


 15.1607, 7.3860,
53.4961


 87.6515, 61.5433,
197.7703

 9.0193, 3.7046,
37.8085


 113.0639, 82.2156,
242.7222

 4.8110, 1.5098,
25.5334

 142.9669,
107.0652, 294.0164

 2.1704, 0.2956,
16.2523

177.7258,
136.4763, 352.0714

 0.7271, 0.0000,
9.5466

217.7060,

 0.0000, 0.0000,

170.8335, 417.3057

4.9977

263.2728,
210.5210, 490.1379

■ 0.0000, 0.0000,
2.1872

■ 0.0000, 0.0000,
0.6670

■ 34.7042, 20.7456,
96.7829

■ 34.7042, 20.7456,
96.7829

■ 30.3006, 15.9733,
96.0939

■ 40.2038, 27.1606,
97.7313

■ 26.8949, 12.6720,
95.6362

■ 46.8788, 35.3617,
98.9625

■ 24.3724, 10.6324,
95.3754

■ 54.8040, 45.4787,
100.4975

■ 23.5988, 10.0805,
95.3097

■ 64.0463, 57.6281,
102.3555

■ 74.6679, 71.9172,
104.5537

■ 86.7264, 88.4453,
107.1084

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.



23.1371, 20.7456, 131.6863



34.7042, 20.7456, 96.7829



43.7643, 20.7456, 47.5223

Triad

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



34.7042, 20.7456, 96.7829



27.1528, 20.7456, 0.0492



6.2025, 20.7456, 33.1905

Complementary

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



34.7042, 20.7456, 96.7829



57.9325, 82.7563, 21.7246

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.



6.6359, 20.7456, 8.3835



34.7042, 20.7456, 96.7829



16.6537, 20.7456, 0.0000

Square

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



34.7042, 20.7456, 96.7829



38.4820, 20.7456, 2.5229



9.8193, 20.7456, 1.1989



8.3293, 20.7456, 79.0786

Rectangle

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



34.7042, 20.7456, 96.7829



45.8222, 20.7456, 22.8669



9.8193, 20.7456, 1.1989



6.0762, 20.7456, 22.3122

Sweetspot

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



34.7052, 20.7462, 96.7830



70.5453, 66.3365, 103.6938



39.7433, 44.9093, 101.1814



14.4618, 13.3410, 22.0628



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.



34.7052, 20.7462, 96.7830



28.9205, 14.5813, 95.8979



56.6714, 32.0703, 97.8110



17.6949, 17.7344, 22.7404



12.4886, 5.3486, 49.8087



1.3355, 0.5824, 4.8553

Inverse Universe

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



53.5372, 31.5035, 50.2710



49.9582, 26.6414, 42.0002



43.0220, 75.0696, 21.0268



18.4651, 18.1694, 21.0665



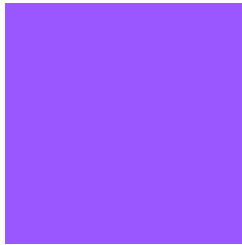
24.6028, 12.3304, 17.0905



2.4496, 1.2222, 1.9488

Previews

White Background



This preview shows how the XYZ color 34.7042, 20.7456, 96.7829 looks on a white background.

Color Contrast Check

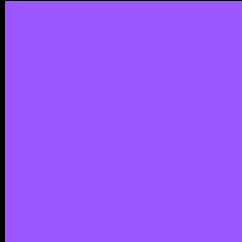
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7042, 20.7456, 96.7829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

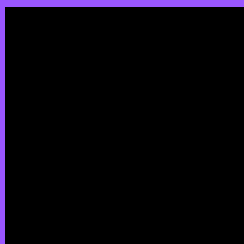
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.7042, 20.7456, 96.7829

Background



This preview shows how black text looks on a background with the XYZ color 34.7042, 20.7456, 96.7829.



This preview shows how white text looks on a background with the XYZ color 34.7042, 20.7456,

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

34.7042, 20.7456, 96.7829

Protanopia

25.1368, 21.0233, 97.3408

Deuteranopia

21.0385, 20.7661, 72.7114



Tritanopia

20.2631, 20.6486, 25.4718

Trichromacy



Original Color

34.7042, 20.7456, 96.7829



Protanomaly

25.7273, 19.1384, 96.9458



Deuteranomaly

22.5314, 18.6492, 81.0094



Tritanomaly

23.9283, 19.6846, 44.6578

Monochromacy



Original Color

34.7042, 20.7456, 96.7829



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

23.3806, 19.6202, 42.0900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7042, 20.7456, 96.7829 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(154, 86, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 86, 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(154, 86, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 86, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.7042, 20.7456, 96.7829 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(154, 86, 255) }
```


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

```
.border{ border-color:rgb(154, 86, 255) }
```

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

Here you see how a box with a 4 pixel rgb(154, 86, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 86, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 86, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 86,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7042, 20.7456, 96.7829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 86, 255) }
```

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

```
.background{ background-color: rgb(154, 86,  
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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