

Converting Colors

XYZ(36.2939, 21.1813, 96.7832)

Have a look what the booklet for
XYZ(36.2939, 21.1813, 96.7832)
contains.

XYZ(36.2475, 21.1930, 96.7880)	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(36.2475, 21.1930,
96.7880)**

Conversions

Conversions Part 1

Format	Color
Hex	A353FF
RGB	163, 83, 255
RGB Percent	64%, 33%, 100%
CMY	0.3608, 0.6745, 0.0000
CMYK	0.36, 0.67, 0.00, 0.00
HSL	268°, 100%, 66%
HSV	268°, 67%, 100%
XYZ	36.2475, 21.1930, 96.7880
YIQ	126.5280, -7.5320, 70.4520

Conversions

Conversions Part 2

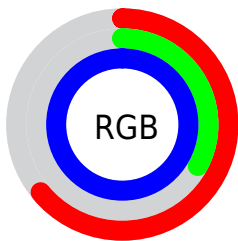
Format	Color
R _Y B	163, 83, 255
Decimal	10703871
CIE Lab	53.16, 64.49, -73.06
CIE LCh	53, 97.449, 311.433
Yxy	21.1930, 0.2350, 0.1374
Android (android.graphics.Color)	4288893951 (0xFFA353FF)
YUV	126.5280, 63.3367, 31.9859
Hunter-Lab	46.0359, 59.9838, -92.4291

Details

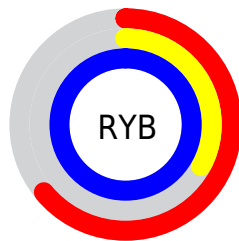
The XYZ color **36.2475, 21.1930, 96.7880** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **55.0000, 81.2582, 20.9695**, and the grayscale version is **19.8044, 20.8358, 22.6902**.

A 20% lighter version of the original color is **57.4271, 40.7993, 99.4561**, and **16.0192, 7.6100, 53.4479** is the 20% darker color. If you saturate the color by 10%, you get **31.9992, 16.6200, 96.1292**, and if you desaturate by 10%, it is **41.5159, 27.3564, 97.6999**.

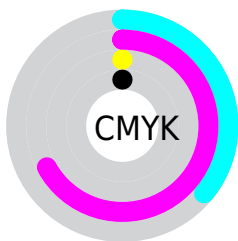
Distribution



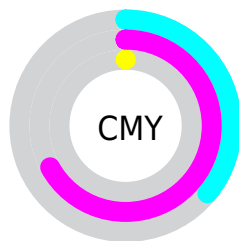
- Red (64%)
- Green (33%)
- Blue (100%)



- Red (64%)
- Yellow (33%)
- Blue (100%)



- Cyan (36%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2475, 21.1930, 96.7880 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 36.2475, 21.1930, 96.7880 by changing the saturation by 10% instead.

 36.2475, 21.1930,
96.7880


 36.2475, 21.1930,
96.7880


321.4534,
258.3024, 571.0033


 24.7964, 13.2652,
73.0189


 68.7353, 45.4085,
158.7493


 16.0534, 7.6114,
53.4995


 90.5027, 62.4650,
197.7785


 9.6530, 3.8473,
37.8112


 116.4395, 83.3331,
242.7316

 5.2300, 1.5885,
25.5355

 146.9112,
108.3973, 294.0271

 2.4190, 0.3498,
16.2538

 182.2831,
138.0419, 352.0834

 0.8546, 0.0000,
9.5477

222.9205,

 0.0000, 0.0000,

172.6514, 417.3192

4.9984

269.1889,
212.6101, 490.1530

■ 0.0000, 0.0000,
2.1876

■ 0.0000, 0.0000,
0.6672

■ 36.2475, 21.1930,
96.7880

■ 36.2475, 21.1930,
96.7880

■ 31.9992, 16.6200,
96.1292

■ 41.5159, 27.3564,
97.6999

■ 28.6754, 13.4644,
95.6953

■ 47.8810, 35.2541,
98.8889

■ 26.1589, 11.5051,
95.4497

■ 55.4148, 45.0153,
100.3759

■ 25.6043, 11.1144,
95.4035

■ 64.1813, 56.7562,
102.1801

■ 74.2399, 70.5832,
104.3188

■ 85.6456, 86.5951,
106.8083

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.



24.3184, 21.1930, 134.8072



36.2475, 21.1930, 96.7880



45.2719, 21.1930, 46.1838

Triad

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



36.2475, 21.1930, 96.7880



27.1107, 21.1930, 0.0000



6.3222, 21.1930, 36.2051

Complementary

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



36.2475, 21.1930, 96.7880



55.0000, 81.2582, 20.9695

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.



6.6206, 21.1930, 9.3425



36.2475, 21.1930, 96.7880



16.4757, 21.1930, 0.0000

Square

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



36.2475, 21.1930, 96.7880



38.8801, 21.1930, 2.2343



9.6949, 21.1930, 1.3405



8.6662, 21.1930, 84.4109

Rectangle

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



36.2475, 21.1930, 96.7880



47.0482, 21.1930, 21.6892



9.6949, 21.1930, 1.3405



6.1457, 21.1930, 24.5197

Sweetspot

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



36.2484, 21.1937, 96.7880



71.5496, 66.8543, 103.7408



37.4584, 40.7411, 100.4973



14.7012, 13.4644, 22.0740



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.



36.2484, 21.1937, 96.7880



30.7188, 15.3475, 95.9510



59.2899, 33.0720, 97.8663



17.8062, 17.7918, 22.7456



13.5472, 5.8943, 49.8583



1.4436, 0.6381, 4.8604

Inverse Universe

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



52.0710, 30.5418, 43.7067



48.5671, 25.9115, 35.2090



41.6953, 74.3994, 20.3468



18.4155, 18.1495, 20.8054



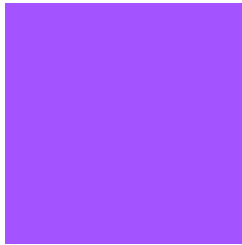
23.9616, 12.0739, 13.7142



2.3883, 1.1977, 1.6261

Previews

White Background



This preview shows how the XYZ color 36.2475, 21.1930, 96.7880 looks on a white background.

Color Contrast Check

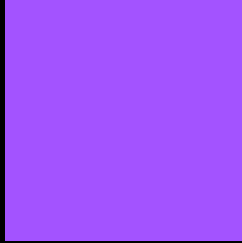
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.2475, 21.1930, 96.7880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

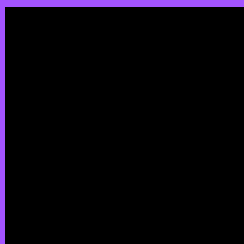
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.2475, 21.1930, 96.7880

Background



This preview shows how black text looks on a background with the XYZ color 36.2475, 21.1930, 96.7880.



This preview shows how white text looks on a background with the XYZ color 36.2475, 21.1930,

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

36.2475, 21.1930, 96.7880

Protanopia

25.5450, 21.4151, 97.3949

Deuteranopia

21.7101, 21.4563, 74.9487



Tritanopia

21.6056, 20.9883, 24.7422

Trichromacy



Original Color

36.2475, 21.1930, 96.7880



Protanomaly

26.5544, 19.5648, 96.9846



Deuteranomaly

22.9948, 18.8545, 82.5481



Tritanomaly

25.3310, 20.1025, 44.1401

Monochromacy



Original Color

36.2475, 21.1930, 96.7880



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

24.1396, 20.0003, 42.6325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2475, 21.1930, 96.7880 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(163, 83, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 83, 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(163, 83, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 83, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.2475, 21.1930, 96.7880 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(163, 83, 255) }
```


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

```
.border{ border-color:rgb(163, 83, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 83, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 83, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 83, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 83,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2475, 21.1930, 96.7880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 83, 255) }
```

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

```
.background{ background-color: rgb(163, 83,  
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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