

Converting Colors

XYZ(36.5952, 30.1636, 79.5507)

Have a look what the booklet for
XYZ(36.5952, 30.1636, 79.5507)
contains.

XYZ(36.7455, 30.3464, 79.5220)	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(36.7455, 30.3464,
79.5220)**

Conversions

Conversions Part 1

Format	Color
Hex	9B88E7
RGB	155, 136, 231
RGB Percent	61%, 53%, 91%
CMY	0.3921, 0.4667, 0.0941
CMYK	0.33, 0.41, 0.00, 0.09
HSL	252°, 66%, 72%
HSV	252°, 41%, 91%
XYZ	36.7455, 30.3464, 79.5220
YIQ	152.5110, -19.1710, 33.5730

Conversions

Conversions Part 2

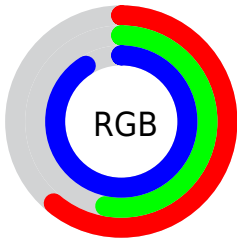
Format	Color
RYB	155, 136, 231
Decimal	10193127
CIELab	61.95, 28.24, -45.71
CIELCh	62, 53.732, 301.711
Yxy	30.3464, 0.2506, 0.2070
Android (android.graphics.Color)	4288383207 (0xFF9B88E7)
YUV	152.5110, 38.6951, 2.1829
Hunter-Lab	55.0876, 22.6630, -47.0272

Details

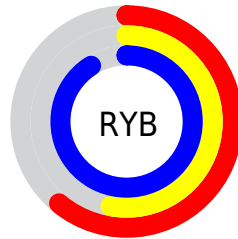
The XYZ color **36.7455, 30.3464, 79.5220** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **60.1717, 72.9269, 34.1985**, and the grayscale version is **29.9105, 31.4682, 34.2689**.

A 20% lighter version of the original color is **63.3990, 57.6122, 102.3865**, and **16.3212, 12.4600, 42.1022** is the 20% darker color. If you saturate the color by 10%, you get **30.5567, 22.8363, 78.3991**, and if you desaturate by 10%, it is **44.1803, 39.5406, 80.9054**.

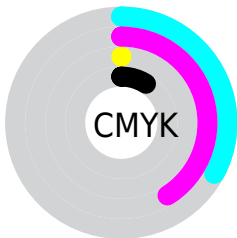
Distribution



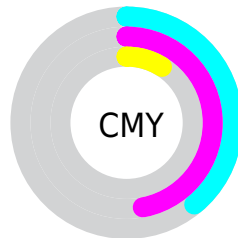
- Red (61%)
- Green (53%)
- Blue (91%)



- Red (61%)
- Yellow (53%)
- Blue (91%)



- Cyan (33%)
- Magenta (41%)
- Yellow (0%)
- Black (9%)



- Cyan (39%)
- Magenta (47%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7455, 30.3464, 79.5220 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 36.7455, 30.3464, 79.5220 by changing the saturation by 10% instead.

■ 36.7455, 30.3464,
79.5220

■ 36.7455, 30.3464,
79.5220

323.5821,
303.5158, 512.9847

■ 25.1833, 20.1017,
58.8012

■ 69.4976, 60.2096,
134.4988

■ 16.3431, 12.4690,
42.0342

■ 91.4181, 80.5968,
169.5919

■ 9.8597, 7.0639,
28.8023

■ 117.5222,
105.1336, 210.3129

■ 5.3676, 3.5021,
18.6870

148.1750,
134.2044, 257.0803

■ 2.5015, 1.3991,
11.2698

183.7421,
168.1937, 310.3126

■ 0.8960, 0.2161,
6.1322

224.5887,

■ 0.0000, 0.0000,

207.4857, 370.4284

2.8555

271.0803,
252.4650, 437.8463

■ 0.0000, 0.0000,
1.0213

■ 0.0000, 0.0000,
0.0000

■ 36.7455, 30.3464,
79.5220

■ 36.7455, 30.3464,
79.5220

■ 30.5567, 22.8363,
78.3991

■ 44.1803, 39.5406,
80.9054

■ 25.5406, 16.9032,
77.5183

■ 52.9223, 50.5103,
82.5620

■ 21.6208, 12.4331,
76.8621

■ 63.0324, 63.3440,
84.5063

■ 18.7104, 9.2945,
76.4097

■ 74.5667, 78.1237,
86.7511

■ 16.7077, 7.3316,
76.1364

■ 87.5783, 94.9261,
89.3085

■ 15.5597, 6.3551,
76.0084

■ 91.4239, 98.5496,
89.8052

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.2585, 30.3464, 90.5929



36.7455, 30.3464, 79.5220



42.8248, 30.3464, 55.6067

Triad

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



36.7455, 30.3464, 79.5220



35.9108, 30.3464, 8.9887



17.1049, 30.3464, 34.2397

Complementary

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



36.7455, 30.3464, 79.5220



60.1717, 72.9269, 34.1985

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.



18.2936, 30.3464, 17.5945



36.7455, 30.3464, 79.5220



28.4321, 30.3464, 7.1508

Square

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



36.7455, 30.3464, 79.5220



42.2893, 30.3464, 16.2819



22.1640, 30.3464, 9.4948



18.6004, 30.3464, 58.5574

Rectangle

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



36.7455, 30.3464, 79.5220



44.8177, 30.3464, 39.0909



22.1640, 30.3464, 9.4948



17.2028, 30.3464, 27.6518

Sweetspot

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



36.7466, 30.3475, 79.5227



77.6136, 77.6558, 105.5061



48.1215, 58.0916, 84.2783



16.2401, 16.1472, 22.5107



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.



36.7466, 30.3475, 79.5227



39.5648, 30.1712, 98.3461



47.7215, 36.0053, 80.0363



13.8507, 14.0252, 18.1215



8.8034, 3.6042, 42.6149



0.7252, 0.3048, 3.1526

Inverse Universe

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



53.6435, 39.3516, 67.0558



63.5135, 42.9522, 79.8125



48.4339, 66.8759, 33.6492



14.8651, 14.5632, 17.4899



23.4177, 11.5013, 26.8923



1.7620, 0.8625, 2.1531

Previews

White Background



This preview shows how the XYZ color 36.7455, 30.3464, 79.5220 looks on a white background.

Color Contrast Check

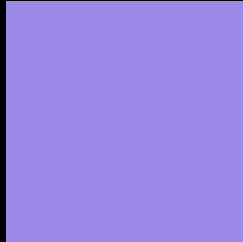
Large Text (above 18pt) WCAG AA × Fail

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 36.7455, 30.3464, 79.5220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

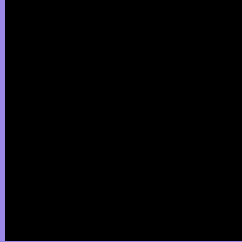
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7455, 30.3464, 79.5220

Background



This preview shows how black text looks on a background with the XYZ color 36.7455, 30.3464, 79.5220.



This preview shows how white text looks on a background with the XYZ color 36.7455, 30.3464,

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

36.7455, 30.3464, 79.5220

Protanopia

32.9719, 30.6694, 86.6201

Deuteranopia

31.3066, 30.4758, 77.6312



Tritanopia

28.6620, 30.4403, 39.0152

Trichromacy



Original Color

36.7455, 30.3464, 79.5220

Protanomaly

34.0106, 30.3485, 84.1861

Deuteranomaly

32.8685, 30.1157, 78.2093

Tritanomaly

31.2100, 30.2996, 51.7804

Monochromacy



Original Color

36.7455, 30.3464, 79.5220

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

32.1006, 31.0737, 48.0220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7455, 30.3464, 79.5220 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(155, 136, 231)` looks like.

```
.text, #text, p{  
    color:rgb(155, 136, 231)  
}
```

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(155, 136, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 136, 231) }
```

Border

The CSS property to change the border of an element to XYZ 36.7455, 30.3464, 79.5220 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(155, 136, 231) }
```


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

```
.border{ border-color:rgb(155, 136, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 136, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 136, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 136, 231);  
box-shadow:4px 4px 4px 4px rgb(155, 136,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7455, 30.3464, 79.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 136, 231) }
```

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

```
.background{ background-color: rgb(155,  
136, 231) }
```

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