

Converting Colors

XYZ(36.4526, 19.7643, 21.9990)

Have a look what the booklet for
XYZ(36.4526, 19.7643, 21.9990)
contains.

XYZ(36.4477, 19.7400, 21.9679)	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(36.4477, 19.7400,
21.9679)**

Conversions

Conversions Part 1

Format	Color
Hex	E32D7F
RGB	227, 45, 127
RGB Percent	89%, 18%, 50%
CMY	0.1098, 0.8235, 0.5020
CMYK	0.00, 0.80, 0.44, 0.11
HSL	333°, 76%, 53%
HSV	333°, 80%, 89%
XYZ	36.4477, 19.7400, 21.9679
YIQ	108.7660, 82.1500, 64.0860

Conversions

Conversions Part 2

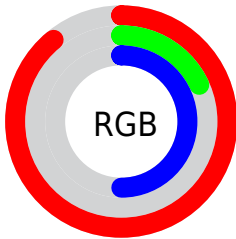
Format	Color
RYB	227, 45, 127
Decimal	14888319
CIELab	51.54, 72.13, -0.85
CIELCh	52, 72.133, 359.324
Yxy	19.7400, 0.4663, 0.2526
Android (android.graphics.Color)	4293078399 (0xFFE32D7F)
YUV	108.7660, 8.9894, 103.6912
Hunter-Lab	44.4297, 68.6796, 1.7854

Details

The XYZ color **36.4477, 19.7400, 21.9679** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **33.6639, 57.5410, 36.1263**, and the grayscale version is **14.4307, 15.1822, 16.5334**.

A 20% lighter version of the original color is **55.0541, 35.7071, 47.1705**, and **17.1010, 8.6570, 7.9774** is the 20% darker color. If you saturate the color by 10%, you get **35.0388, 18.1437, 17.7327**, and if you desaturate by 10%, it is **38.4233, 22.3087, 26.8889**.

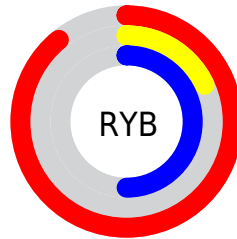
Distribution



Red (89%)

Green (18%)

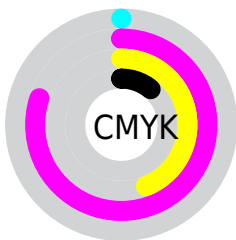
Blue (50%)



Red (89%)

Yellow (18%)

Blue (50%)

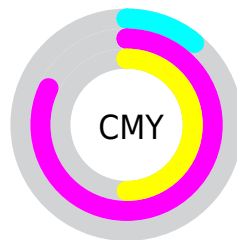


Cyan (0%)

Magenta (80%)

Yellow (44%)

Black (11%)



Cyan (11%)


Magenta (82%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4477, 19.7400, 21.9679 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 36.4477, 19.7400, 21.9679 by changing the saturation by 10% instead.


 36.4477, 19.7400,
21.9679


 36.4477, 19.7400,
21.9679


322.3104,
250.5041, 275.3266


 24.9519, 12.2062,
13.6352


 69.0419, 42.9808,
47.5944


 16.1697, 6.8843,
7.7316


 90.8709, 59.4567,
65.7254

 9.7360, 3.3898,
3.8384


 116.8751, 79.6820,
87.9595

 5.2852, 1.3385,
1.5371

 147.4198,
104.0411, 114.7154

 2.4520, 0.1707,
0.2453

 182.8703,
132.9185, 146.4114

 0.8711, 0.0000,
0.0000

223.5920,

 0.0000, 0.0000,

166.6985, 183.4663

0.0000

269.9502,
205.7656, 226.2985

■ 36.4477, 19.7400,
21.9679

■ 36.4477, 19.7400,
21.9679

■ 35.0388, 18.1437,
17.7327

■ 38.4233, 22.3087,
26.8889

■ 34.0899, 17.2954,
14.1809

■ 41.0330, 25.9787,
32.5349

■ 44.3354, 30.8625,
38.9419

■ 48.3819, 37.0573,
46.1426

■ 53.2187, 44.6509,
54.1674

■ 58.8881, 53.7230,
63.0446

■ 65.4291, 64.3475,
72.8013

■ 72.8784, 76.5932,
83.4630

■ 81.2704, 90.5248,
95.0541

Harmonies

Analogous

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



33.4945, 19.7400, 48.9880



36.4477, 19.7400, 21.9679



33.7371, 19.7400, 7.2665

Triad

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



36.4477, 19.7400, 21.9679



12.7274, 19.7400, 2.0914



12.5088, 19.7400, 77.3959

Complementary

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



36.4477, 19.7400, 21.9679



33.6639, 57.5410, 36.1263

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.



9.0407, 19.7400, 47.5888



36.4477, 19.7400, 21.9679



9.1421, 19.7400, 6.8778

Square

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



36.4477, 19.7400, 21.9679



18.9272, 19.7400, 1.1852



7.9867, 19.7400, 21.0260



18.5983, 19.7400, 91.2753

Rectangle

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



36.4477, 19.7400, 21.9679



29.3989, 19.7400, 3.2039



7.9867, 19.7400, 21.0260



11.0614, 19.7400, 68.2436

Sweetspot

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



36.4482, 19.7411, 21.9682



73.5879, 64.9949, 77.3328



25.9721, 13.1813, 73.8482



15.1911, 13.0171, 15.6722



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.



36.4482, 19.7411, 21.9682



44.7703, 22.8493, 19.9743



33.3398, 18.8952, 4.3741



14.6455, 14.4754, 16.3339



19.9384, 10.1096, 8.5706



1.5197, 0.7656, 0.8770

Inverse Universe

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



36.4482, 19.7411, 21.9682



44.7703, 22.8493, 19.9743



40.7869, 57.7821, 81.6762



14.6455, 14.4754, 16.3339



19.9384, 10.1096, 8.5706



1.5197, 0.7656, 0.8770

Previews

White Background



This preview shows how the XYZ color 36.4477, 19.7400, 21.9679 looks on a white background.

Color Contrast Check

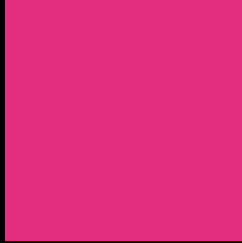
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.4477, 19.7400, 21.9679 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 36.4477, 19.7400, 21.9679

Background



This preview shows how black text looks on a background with the XYZ color 36.4477, 19.7400, 21.9679.



This preview shows how white text looks on a background with the XYZ color 36.4477, 19.7400,

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

36.4477, 19.7400, 21.9679

Protanopia

20.6867, 20.1243, 42.3292

Deuteranopia

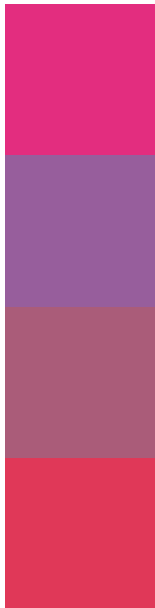
20.1834, 19.8200, 19.9014



Tritanopia

33.1923, 19.6363, 7.1950

Trichromacy



Original Color

36.4477, 19.7400, 21.9679

Protanomaly

22.7660, 16.9850, 33.5310

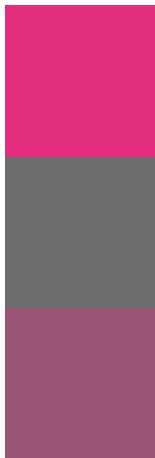
Deuteranomaly

23.8559, 17.5808, 20.2253

Tritanomaly

33.9161, 19.3802, 11.1857

Monochromacy



Original Color

36.4477, 19.7400, 21.9679

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

19.4291, 14.5919, 18.3155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4477, 19.7400, 21.9679 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(227, 45, 127)` looks like.

```
.text, #text, p{  
  color:rgb(227, 45, 127)  
}
```

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(227, 45, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 45, 127) }
```

Border

The CSS property to change the border of an element to XYZ 36.4477, 19.7400, 21.9679 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(227, 45, 127) }
```


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

```
.border{ border-color:rgb(227, 45, 127) }
```

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

Here you see how a box with a 4 pixel rgb(227, 45, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 45, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 45, 127);  
box-shadow:4px 4px 4px 4px rgb(227, 45,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4477, 19.7400, 21.9679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 45, 127) }
```

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

```
.background{ background-color: rgb(227, 45,  
127) }
```

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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