

Converting Colors

XYZ(35.5620, 17.8824, 22.0148)

Have a look what the booklet for
XYZ(35.5620, 17.8824, 22.0148)
contains.

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Color

**XYZ(35.5748, 17.8894,
22.0001)**

Conversions

Conversions Part 1

Format	Color
Hex	E30080
RGB	227, 0, 128
RGB Percent	89%, 0%, 50%
CMY	0.1098, 0.9998, 0.4980
CMYK	0.00, 1.00, 0.44, 0.11
HSL	326°, 100%, 45%
HSV	326°, 100%, 89%
XYZ	35.5748, 17.8894, 22.0001
YIQ	82.4650, 94.2040, 87.9320

Conversions

Conversions Part 2

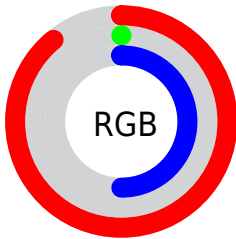
Format	Color
R_{YB}	227, 0, 128
Decimal	14876800
CIE _{Lab}	49.36, 78.60, -4.67
CIE _{LCh}	49, 78.741, 356.602
Yxy	17.8894, 0.4714, 0.2371
Android (android.graphics.Color)	4293066880 (0xFFE30080)
YUV	82.4650, 22.4488, 126.7572
Hunter-Lab	42.2959, 76.1175, -1.2325

Details

The XYZ color **35.5748, 17.8894, 22.0001** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **29.7241, 55.8401, 21.0283**, and the grayscale version is **8.0620, 8.4819, 9.2367**.

A 20% lighter version of the original color is **53.5832, 32.6016, 47.1847**, and **16.9283, 8.5638, 8.1579** is the 20% darker color. If you saturate the color by 10%, you get **35.5733, 17.8888, 21.9926**, and if you desaturate by 10%, it is **36.5603, 18.7659, 25.7030**.

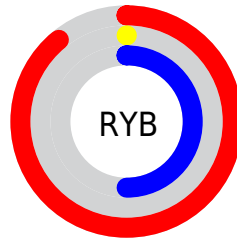
Distribution



Red (89%)

Green (0%)

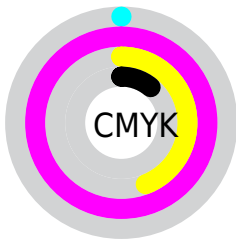
Blue (50%)



Red (89%)

Yellow (0%)

Blue (50%)

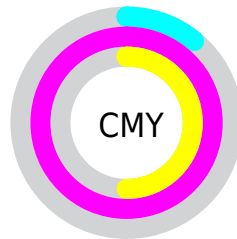


Cyan (0%)

Magenta (100%)

Yellow (44%)

Black (11%)



Cyan (11%)


Magenta (100%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.5748, 17.8894, 22.0001 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 35.5748, 17.8894, 22.0001 by changing the saturation by 10% instead.

 35.5748, 17.8894,
22.0001


 35.5748, 17.8894,
22.0001


318.5620,
240.2469, 275.5003


 24.2746, 10.8706,
13.6587


 67.7034, 39.8488,
47.6484


 15.6633, 5.9799,
7.7476


 89.2626, 55.5582,
65.7922


 9.3755, 2.8329,
3.8484


 114.9720, 74.9332,
88.0407

 5.0460, 1.0451,
1.5426

 145.1972, 98.3583,
114.8123

 2.3093, 0.0000,
0.2493

 180.3034,
126.2178, 146.5255

 0.7994, 0.0000,
0.0000

 220.6561,

 0.0000, 0.0000,

158.8961, 183.5988

0.0000

266.6205,
196.7777, 226.4509

■ 35.5748, 17.8894,
22.0001

■ 35.5748, 17.8894,
22.0001

■ 35.5733, 17.8888,
21.9926

■ 36.5603, 18.7659,
25.7030

■ 37.9639, 20.3741,
29.8676

■ 39.9010, 22.9418,
34.5407

■ 42.4382, 26.6000,
39.7526

■ 45.6320, 31.4589,
45.5296

■ 49.5318, 37.6152,
51.8957

■ 54.1821, 45.1555,
58.8730

■ 59.6238, 54.1591,
66.4821

■ 65.8944, 64.6990,
74.7422

Harmonies

Analogous

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



31.8991, 17.8894, 51.7057



35.5748, 17.8894, 22.0001



33.2017, 17.8894, 6.3190

Triad

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



35.5748, 17.8894, 22.0001



11.3850, 17.8894, 1.0292



10.3011, 17.8894, 77.3175

Complementary

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



35.5748, 17.8894, 22.0001



29.7241, 55.8401, 21.0283

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.



7.1761, 17.8894, 44.0791



35.5748, 17.8894, 22.0001



7.6621, 17.8894, 4.5395

Square

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



35.5748, 17.8894, 22.0001



17.8624, 17.8894, 0.4547



6.3730, 17.8894, 17.1574



16.1723, 17.8894, 95.2750

Rectangle

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



35.5748, 17.8894, 22.0001



28.7999, 17.8894, 2.3242



6.3730, 17.8894, 17.1574



8.9687, 17.8894, 66.7563

Sweetspot

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



35.5753, 17.8904, 22.0004



70.3953, 58.5542, 76.4390



18.9453, 8.1658, 73.2504



14.4933, 11.5966, 15.5165



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.



35.5753, 17.8904, 22.0004



46.2561, 23.2664, 28.3443



31.7665, 16.3669, 1.9435



14.7156, 14.5034, 16.7028



20.8062, 10.4567, 13.1402



1.5840, 0.7913, 1.2157

Inverse Universe

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



35.5753, 17.8904, 22.0004



46.2561, 23.2664, 28.3443



39.3368, 59.6852, 71.6483



14.7156, 14.5034, 16.7028



20.8062, 10.4567, 13.1402



1.5840, 0.7913, 1.2157

Previews

White Background



This preview shows how the XYZ color 35.5748, 17.8894, 22.0001 looks on a white background.

Color Contrast Check

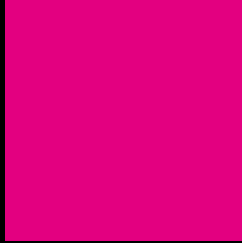
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 35.5748, 17.8894, 22.0001 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 35.5748, 17.8894, 22.0001

Background



This preview shows how black text looks on a background with the XYZ color 35.5748, 17.8894, 22.0001.



This preview shows how white text looks on a background with the XYZ color 35.5748, 17.8894,

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

35.5748, 17.8894, 22.0001

Protanopia

19.7323, 18.6162, 47.9007

Deuteranopia

18.7608, 18.3948, 19.7013



Tritanopia

32.2351, 18.3036, 5.0828

Trichromacy



Original Color

35.5748, 17.8894, 22.0001



Protanomaly

20.4773, 13.4175, 36.6325



Deuteranomaly

21.6213, 14.2772, 20.0286



Tritanomaly

32.7049, 17.4595, 9.2357

Monochromacy



Original Color

35.5748, 17.8894, 22.0001



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.4718, 8.5077, 12.7365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5748, 17.8894, 22.0001 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, 0, 128)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 128)  
}
```

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, 0, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 128) }
```

Border

The CSS property to change the border of an element to XYZ 35.5748, 17.8894, 22.0001 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, 0, 128) }
```


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

```
.border{ border-color:rgb(227, 0, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 0, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5748, 17.8894, 22.0001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 128) }
```

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

```
.background{ background-color: rgb(227, 0,  
128) }
```

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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