

Converting Colors

XYZ(36.9484, 18.6256, 20.7972)

Have a look what the booklet for
XYZ(36.9484, 18.6256, 20.7972)
contains.

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Color

**XYZ(36.9168, 18.6110,
20.7153)**

Conversions

Conversions Part 1

Format	Color
Hex	E8007C
RGB	232, 0, 124
RGB Percent	91%, 0%, 49%
CMY	0.0902, 0.9998, 0.5137
CMYK	0.00, 1.00, 0.47, 0.09
HSL	328°, 100%, 45%
HSV	328°, 100%, 91%
XYZ	36.9168, 18.6110, 20.7153
YIQ	83.5040, 98.4680, 87.7480

Conversions

Conversions Part 2

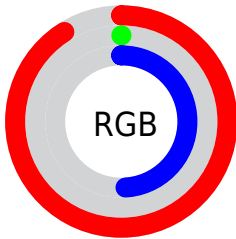
Format	Color
RYB	232, 0, 124
Decimal	15204476
CIELab	50.23, 79.34, -0.84
CIElCh	50, 79.344, 359.393
Yxy	18.6110, 0.4842, 0.2441
Android (android.graphics.Color)	4293394556 (0xFFE8007C)
YUV	83.5040, 19.9645, 130.2310
Hunter-Lab	43.1405, 77.2528, 1.7283

Details

The XYZ color **36.9168, 18.6110, 20.7153** 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 **31.5666, 58.7972, 23.8864**, and the grayscale version is **8.2768, 8.7078, 9.4828**.

A 20% lighter version of the original color is **53.1687, 32.5790, 44.5604**, and **17.8821, 9.0679, 7.6453** is the 20% darker color. If you saturate the color by 10%, you get **36.9153, 18.6104, 20.7077**, and if you desaturate by 10%, it is **37.9493, 19.5223, 24.6168**.

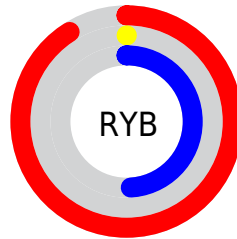
Distribution



Red (91%)

Green (0%)

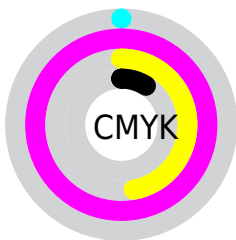
Blue (49%)



Red (91%)

Yellow (0%)

Blue (49%)

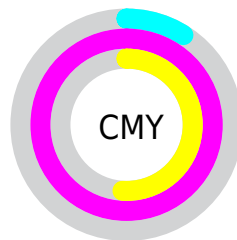


Cyan (0%)

Magenta (100%)

Yellow (47%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9168, 18.6110, 20.7153 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 36.9168, 18.6110, 20.7153 by changing the saturation by 10% instead.


 36.9168, 18.6110,
20.7153


 36.9168, 18.6110,
20.7153


324.3120,
244.2928, 268.4927


 25.3165, 11.3895,
12.7268


 69.7595, 41.0757,
45.4879


 16.4430, 6.3295,
7.1122


 91.7325, 57.0878,
63.1090


 9.9310, 3.0464,
3.4529


 117.8938, 76.7989,
84.7782

 5.4151, 1.1560,
1.3303

 148.6088,
100.5933, 110.9139

 2.5301, 0.0253,
0.0864

 184.2427,
128.8555, 141.9347

 0.9104, 0.0000,
0.0000

 225.1610,

 0.0000, 0.0000,

161.9699, 178.2590

0.0000

271.7289,
200.3208, 220.3055

■ 36.9168, 18.6110,
20.7153

■ 36.9168, 18.6110,
20.7153

■ 36.9153, 18.6104,
20.7077

■ 37.9493, 19.5223,
24.6168

■ 39.4309, 21.2081,
29.0485

■ 41.4823, 23.9065,
34.0616

■ 44.1743, 27.7559,
39.6899

■ 47.5668, 32.8728,
45.9636

■ 51.7126, 39.3595,
52.9098

■ 56.6589, 47.3074,
60.5537

■ 62.4489, 56.8002,
68.9186

■ 69.1228, 67.9152,
78.0267

Harmonies

Analogous

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



33.6628, 18.6110, 50.2781



36.9168, 18.6110, 20.7153



33.9035, 18.6110, 5.7987

Triad

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



36.9168, 18.6110, 20.7153



11.3928, 18.6110, 1.2450



11.1920, 18.6110, 82.6979

Complementary

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



36.9168, 18.6110, 20.7153



31.5666, 58.7972, 23.8864

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.



7.6990, 18.6110, 48.8700



36.9168, 18.6110, 20.7153



7.7892, 18.6110, 5.4684

Square

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



36.9168, 18.6110, 20.7153



17.8460, 18.6110, 0.5077



6.6597, 18.6110, 19.8197



17.5333, 18.6110, 98.6494

Rectangle

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



36.9168, 18.6110, 20.7153



29.1307, 18.6110, 2.1373



6.6597, 18.6110, 19.8197



9.7210, 18.6110, 72.2258

Sweetspot

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



36.9173, 18.6121, 20.7156



70.0964, 58.4347, 74.8652



20.3247, 8.7960, 76.9704



14.4225, 11.5682, 15.1434



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.



36.9173, 18.6121, 20.7156



45.7030, 23.0452, 25.4319



33.3434, 17.1825, 1.8958



14.6973, 14.4961, 16.6066



20.5583, 10.3575, 11.8347



1.5660, 0.7841, 1.1212

Inverse Universe

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



36.9173, 18.6121, 20.7156



45.7030, 23.0452, 25.4319



41.8288, 62.9021, 77.9266



14.6973, 14.4961, 16.6066



20.5583, 10.3575, 11.8347



1.5660, 0.7841, 1.1212

Previews

White Background



This preview shows how the XYZ color 36.9168, 18.6110, 20.7153 looks on a white background.

Color Contrast Check

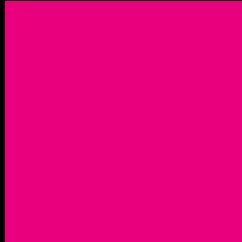
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.9168, 18.6110, 20.7153 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 36.9168, 18.6110, 20.7153

Background



This preview shows how black text looks on a background with the XYZ color 36.9168, 18.6110, 20.7153.



This preview shows how white text looks on a background with the XYZ color 36.9168, 18.6110,

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

36.9168, 18.6110, 20.7153

Protanopia

20.2130, 19.2731, 45.3026

Deuteranopia

19.5519, 19.1717, 18.5896



Tritanopia

33.6689, 18.9209, 4.8952

Trichromacy



Original Color

36.9168, 18.6110, 20.7153



Protanomaly

21.2369, 14.0616, 34.3958



Deuteranomaly

22.5134, 14.8635, 18.8219



Tritanomaly

34.1426, 18.1738, 8.7296

Monochromacy



Original Color

36.9168, 18.6110, 20.7153



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.0065, 8.8503, 12.7744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9168, 18.6110, 20.7153 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(232, 0, 124)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 124)  
}
```

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(232, 0, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 124) }
```

Border

The CSS property to change the border of an element to XYZ 36.9168, 18.6110, 20.7153 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(232, 0, 124) }
```


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

```
.border{ border-color:rgb(232, 0, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 0, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 124);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9168, 18.6110, 20.7153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 124) }
```

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

```
.background{ background-color: rgb(232, 0,  
124) }
```

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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