

Converting Colors

XYZ(36.3706, 19.5575, 26.5130)

Have a look what the booklet for
XYZ(36.3706, 19.5575, 26.5130)
contains.

XYZ(36.3748, 19.5421, 26.6658)	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(36.3748, 19.5421,
26.6658)**

Conversions

Conversions Part 1

Format	Color
Hex	E02C8C
RGB	224, 44, 140
RGB Percent	88%, 17%, 55%
CMY	0.1216, 0.8274, 0.4510
CMYK	0.00, 0.80, 0.37, 0.12
HSL	328°, 74%, 53%
HSV	328°, 80%, 88%
XYZ	36.3748, 19.5421, 26.6658
YIQ	108.7640, 76.4640, 68.0160

Conversions

Conversions Part 2

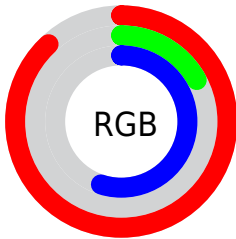
Format	Color
R_YB	224, 44, 140
Decimal	14691468
CIE Lab	51.32, 72.86, -9.07
CIE LCh	51, 73.424, 352.905
Yxy	19.5421, 0.4405, 0.2366
Android (android.graphics.Color)	4292881548 (0xFFE02C8C)
YUV	108.7640, 15.3993, 101.0620
Hunter-Lab	44.2064, 69.5155, -4.8198

Details

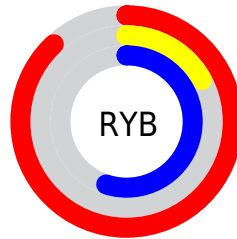
The XYZ color **36.3748, 19.5421, 26.6658** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **31.5922, 55.4060, 29.4562**, and the grayscale version is **14.4135, 15.1642, 16.5138**.

A 20% lighter version of the original color is **56.5535, 36.3069, 55.0662**, and **16.9497, 8.5247, 10.4249** is the 20% darker color. If you saturate the color by 10%, you get **35.0190, 18.0060, 22.5896**, and if you desaturate by 10%, it is **38.2547, 22.0090, 31.2783**.

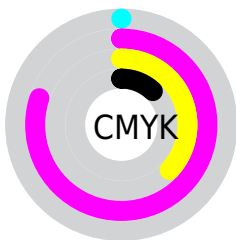
Distribution



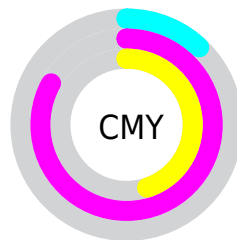
- Red (88%)
- Green (17%)
- Blue (55%)



- Red (88%)
- Yellow (17%)
- Blue (55%)



- Cyan (0%)
- Magenta (80%)
- Yellow (37%)
- Black (12%)





- Cyan (12%)
- Magenta (83%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3748, 19.5421, 26.6658 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 36.3748, 19.5421, 26.6658 by changing the saturation by 10% instead.

 36.3748, 19.5421,
26.6658


 36.3748, 19.5421,
26.6658


321.9985,
249.4253, 299.7441


 24.8952, 12.0626,
17.0922


 68.9303, 42.6481,
55.3443


 16.1273, 6.7864,
10.1376


 90.7369, 59.0435,
75.2863


 9.7057, 3.3288,
5.3835


 116.7166, 79.1796,
99.5215

 5.2650, 1.3057,
2.4113

 147.2347,
103.4409, 128.4684

 2.4400, 0.1456,
0.7926

 182.6566,
132.2117, 162.5455

 0.8651, 0.0000,
0.0000

223.3476,

 0.0000, 0.0000,

165.8764, 202.1715

0.0000

269.6731,
204.8195, 247.7649

■ 36.3748, 19.5421,
26.6658

■ 36.3748, 19.5421,
26.6658

■ 35.0190, 18.0060,
22.5896

■ 38.2547, 22.0090,
31.2783

■ 34.0979, 17.1903,
19.1185

■ 40.7224, 25.5312,
36.4577

■ 43.8337, 30.2171,
42.2318

■ 47.6369, 36.1609,
48.6258

■ 52.1758, 43.4468,
55.6628

■ 57.4902, 52.1519,
63.3646

■ 63.6169, 62.3472,
71.7514

■ 70.5903, 74.0991,
80.8426

■ 78.4429, 87.4699,
90.6568

Harmonies

Analogous

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



32.2444, 19.5421, 56.1103



36.3748, 19.5421, 26.6658



34.8260, 19.5421, 9.1130

Triad

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



36.3748, 19.5421, 26.6658



13.6089, 19.5421, 1.5457



11.3015, 19.5421, 72.4774

Complementary

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



36.3748, 19.5421, 26.6658



31.5922, 55.4060, 29.4562

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.



8.3778, 19.5421, 41.1831



36.3748, 19.5421, 26.6658



9.4444, 19.5421, 5.0329

Square

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



36.3748, 19.5421, 26.6658



20.3708, 19.5421, 1.0973



7.8011, 19.5421, 16.6697



16.8864, 19.5421, 91.7747

Rectangle

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



36.3748, 19.5421, 26.6658



30.9354, 19.5421, 3.9263



7.8011, 19.5421, 16.6697



10.0418, 19.5421, 62.3109

Sweetspot

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



36.3754, 19.5432, 26.6661



74.2750, 65.2697, 80.9505



23.2590, 11.7740, 71.5678



15.3554, 13.0828, 16.5374



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.



36.3754, 19.5432, 26.6661



46.1400, 23.3971, 27.1867



32.2177, 17.8801, 4.7723



14.0112, 13.8221, 15.8293



19.9061, 10.0295, 11.4373



1.4249, 0.7132, 1.0304

Inverse Universe

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



36.3754, 19.5432, 26.6661



46.1400, 23.3971, 27.1867



40.3500, 58.9091, 75.5740



14.0112, 13.8221, 15.8293



19.9061, 10.0295, 11.4373



1.4249, 0.7132, 1.0304

Previews

White Background



This preview shows how the XYZ color 36.3748, 19.5421, 26.6658 looks on a white background.

Color Contrast Check

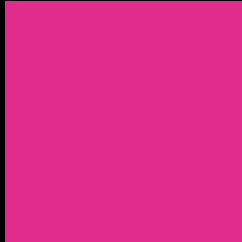
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.3748, 19.5421, 26.6658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

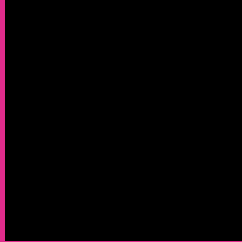
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.3748, 19.5421, 26.6658

Background



This preview shows how black text looks on a background with the XYZ color 36.3748, 19.5421, 26.6658.



This preview shows how white text looks on a background with the XYZ color 36.3748, 19.5421,

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

36.3748, 19.5421, 26.6658

Protanopia

21.1686, 19.9891, 51.4578

Deuteranopia

20.0536, 19.6576, 24.2101



Tritanopia

32.3261, 19.5166, 7.8577

Trichromacy



Original Color

36.3748, 19.5421, 26.6658



Protanomaly

22.8623, 16.7366, 41.0552



Deuteranomaly

23.6473, 17.3749, 24.6616



Tritanomaly

33.4483, 19.3263, 12.7939

Monochromacy



Original Color

36.3748, 19.5421, 26.6658



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

19.4012, 14.4324, 19.5325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3748, 19.5421, 26.6658 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(224, 44, 140)` looks like.

```
.text, #text, p{  
    color:rgb(224, 44, 140)  
}
```

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(224, 44, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 44, 140) }
```

Border

The CSS property to change the border of an element to XYZ 36.3748, 19.5421, 26.6658 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(224, 44, 140) }
```


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

```
.border{ border-color:rgb(224, 44, 140) }
```

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

Here you see how a box with a 4 pixel rgb(224, 44, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 44, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 44, 140);  
box-shadow:4px 4px 4px 4px rgb(224, 44,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3748, 19.5421, 26.6658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 44, 140) }
```

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

```
.background{ background-color: rgb(224, 44,  
140) }
```

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