

Converting Colors

XYZ(30.3722, 7.2634, 10.6810)

Have a look what the booklet for
XYZ(30.3722, 7.2634, 10.6810)
contains.

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Color

**XYZ(35.9972, 18.3186,
12.4651)**

Conversions

Conversions Part 1

Format	Color
Hex	EA005F
RGB	234, 0, 95
RGB Percent	92%, 0%, 37%
CMY	0.0824, 0.9998, 0.6274
CMYK	0.00, 1.00, 0.59, 0.08
HSL	336°, 100%, 46%
HSV	336°, 100%, 92%
XYZ	35.9972, 18.3186, 12.4651
YIQ	80.7960, 108.9690, 79.1530

Conversions

Conversions Part 2

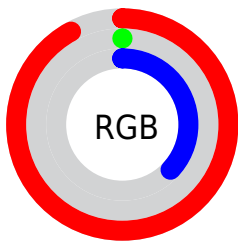
Format	Color
R_{YB}	234, 0, 95
Decimal	15335519
CIE _{Lab}	49.88, 77.79, 16.47
CIE _{LCh}	50, 79.513, 11.958
Yxy	18.3186, 0.5390, 0.2743
Android (android.graphics.Color)	4293525599 (0xFFEA005F)
YUV	80.7960, 7.0026, 134.3599
Hunter-Lab	42.8002, 75.2273, 12.6926

Details

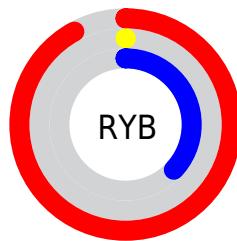
The XYZ color **35.9972, 18.3186, 12.4651** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **34.0874, 60.7113, 34.3683**, and the grayscale version is **7.7583, 8.1623, 8.8887**.

A 20% lighter version of the original color is **50.3535, 31.3097, 30.1775**, and **17.1533, 8.7763, 3.8075** is the 20% darker color. If you saturate the color by 10%, you get **35.9956, 18.3180, 12.4575**, and if you desaturate by 10%, it is **37.0021, 19.2254, 16.2014**.

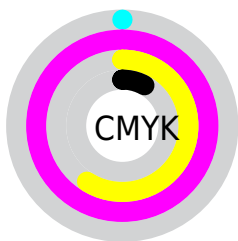
Distribution



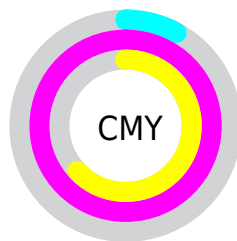
- Red (92%)
- Green (0%)
- Blue (37%)



- Red (92%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9972, 18.3186, 12.4651 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 35.9972, 18.3186, 12.4651 by changing the saturation by 10% instead.


 35.9972, 18.3186,
12.4651


 35.9972, 18.3186,
12.4651


320.3798,
242.6608, 218.5466


 24.6021, 11.1790,
6.9349


 68.3516, 40.5795,
31.0164


 15.9080, 6.1873,
3.3436


 90.0417, 56.4695,
44.8745


 9.5495, 2.9593,
1.2726


 115.8942, 76.0451,
62.3457

 5.1613, 1.1105,
0.0392

 146.2744, 99.6907,
83.8485

 2.3779, 0.0000,
0.0000

 181.5477,
127.7907, 109.8015

 0.8341, 0.0000,
0.0000

 222.0795,

 0.0000, 0.0000,

160.7294, 140.6231

0.0000

268.2350,
198.8913, 176.7320

■ 35.9972, 18.3186,
12.4651

■ 35.9972, 18.3186,
12.4651

■ 35.9956, 18.3180,
12.4575

■ 37.0021, 19.2254,
16.2014

■ 38.5052, 20.9389,
20.6877

■ 40.6321, 23.7023,
25.9914

■ 43.4580, 27.6581,
32.1617

■ 47.0466, 32.9265,
39.2426

■ 51.4541, 39.6126,
47.2745

■ 56.7310, 47.8110,
56.2950

■ 62.9237, 57.6079,
66.3392

■ 70.0751, 69.0830,
77.4404

Harmonies

Analogous

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



35.3490, 18.3186, 35.9352



35.9972, 18.3186, 12.4651



30.7095, 18.3186, 3.0029

Triad

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



35.9972, 18.3186, 12.4651



9.3491, 18.3186, 2.1981



13.2629, 18.3186, 92.1641

Complementary

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



35.9972, 18.3186, 12.4651



34.0874, 60.7113, 34.3683

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.



8.6425, 18.3186, 63.1026



35.9972, 18.3186, 12.4651



6.8785, 18.3186, 9.5820

Square

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



35.9972, 18.3186, 12.4651



14.5534, 18.3186, 0.5742



6.6644, 18.3186, 29.9440



20.6208, 18.3186, 95.3936

Rectangle

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



35.9972, 18.3186, 12.4651



25.2321, 18.3186, 1.1133



6.6644, 18.3186, 29.9440



11.4007, 18.3186, 84.4610

Sweetspot

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



35.9976, 18.3197, 12.4654



68.8366, 57.9307, 68.2312



25.0902, 11.2197, 78.6847



14.1256, 11.4495, 13.5801



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.



35.9976, 18.3197, 12.4654



43.7129, 22.2492, 14.9522



34.1741, 17.9770, 1.6703



15.3188, 15.1554, 16.9643



20.2863, 10.3172, 7.3091



1.6395, 0.8288, 0.8192

Inverse Universe

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



35.9976, 18.3197, 12.4654



43.7129, 22.2492, 14.9522



39.0262, 54.2894, 86.2634



15.3188, 15.1554, 16.9643



20.2863, 10.3172, 7.3091



1.6395, 0.8288, 0.8192

Previews

White Background



This preview shows how the XYZ color 35.9972, 18.3186, 12.4651 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 35.9972, 18.3186, 12.4651 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 35.9972, 18.3186, 12.4651

Background



This preview shows how black text looks on a background with the XYZ color 35.9972, 18.3186, 12.4651.

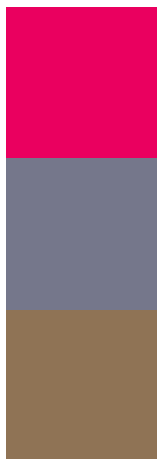


This preview shows how white text looks on a background with the XYZ color 35.9972, 18.3186,

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

35.9972, 18.3186, 12.4651

Protanopia

18.5931, 18.8396, 27.0825

Deuteranopia

19.0981, 18.7570, 11.2082



Tritanopia

34.2903, 18.6694, 3.4653

Trichromacy



Original Color

35.9972, 18.3186, 12.4651



Protanomaly

20.6568, 14.0725, 20.3664



Deuteranomaly

22.0902, 14.7165, 11.1275



Tritanomaly

34.6694, 18.2723, 5.5705

Monochromacy



Original Color

35.9972, 18.3186, 12.4651



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.2242, 8.4462, 9.7374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9972, 18.3186, 12.4651 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(234, 0, 95)` looks like.

```
.text, #text, p{  
    color:rgb(234, 0, 95)  
}
```

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(234, 0, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 0, 95) }
```

Border

The CSS property to change the border of an element to XYZ 35.9972, 18.3186, 12.4651 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(234, 0, 95) }
```


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

```
.border{ border-color:rgb(234, 0, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 0, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 0, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 0, 95);  
box-shadow:4px 4px 4px 4px rgb(234, 0, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.9972, 18.3186, 12.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 0, 95) }
```

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

```
.background{ background-color: rgb(234, 0,  
95) }
```

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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