

Converting Colors

XYZ(47.2451, 36.1887, 45.9936)

Have a look what the booklet for
XYZ(47.2451, 36.1887, 45.9936)
contains.

XYZ(47.2014, 36.0718, 46.0697)	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(47.2014, 36.0718,
46.0697)**

Conversions

Conversions Part 1

Format	Color
Hex	E086B1
RGB	224, 134, 177
RGB Percent	88%, 53%, 69%
CMY	0.1216, 0.4745, 0.3059
CMYK	0.00, 0.40, 0.21, 0.12
HSL	331°, 59%, 70%
HSV	331°, 40%, 88%
XYZ	47.2014, 36.0718, 46.0697
YIQ	165.8120, 39.8370, 32.4530

Conversions

Conversions Part 2

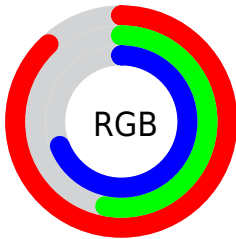
Format	Color
R_{YB}	224, 134, 177
Decimal	14714545
CIE _{Lab}	66.57, 40.03, -7.78
CIE _{LCh}	67, 40.774, 349.006
Yxy	36.0718, 0.3649, 0.2789
Android (android.graphics.Color)	4292904625 (0xFFE086B1)
YUV	165.8120, 5.5157, 51.0309
Hunter-Lab	60.0598, 35.1797, -3.4373

Details

The XYZ color **47.2014, 36.0718, 46.0697** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **44.8293, 61.7169, 53.2688**, and the grayscale version is **36.1165, 37.9973, 41.3791**.

A 20% lighter version of the original color is **74.1456, 63.5384, 85.4470**, and **22.5917, 15.7053, 20.9095** is the 20% darker color. If you saturate the color by 10%, you get **43.3105, 30.0765, 39.2644**, and if you desaturate by 10%, it is **51.8500, 43.4218, 53.6216**.

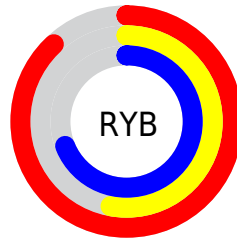
Distribution



Red (88%)

Green (53%)

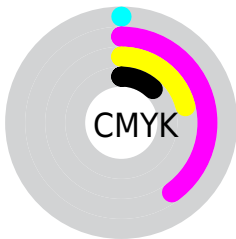
Blue (69%)



Red (88%)

Yellow (53%)

Blue (69%)

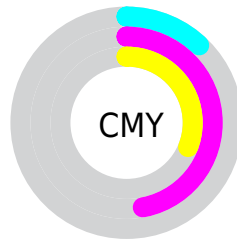


Cyan (0%)

Magenta (40%)

Yellow (21%)

Black (12%)



Cyan (12%)

Magenta (47%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2014, 36.0718, 46.0697 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 47.2014, 36.0718, 46.0697 by changing the saturation by 10% instead.

47.2014, 36.0718,
46.0697

47.2014, 36.0718,
46.0697

366.2534,
329.2743, 387.3745

33.4035, 24.4897,
31.9518

85.2311, 69.1429,
85.6587

22.5965, 15.6972,
21.0601

110.1936, 91.4006,
111.9668

14.4149, 9.3102,
12.9763

139.6084,
117.9856, 143.1754

8.4934, 4.9440,
7.2817

173.8407,
149.2824, 179.7030

4.4667, 2.2145,
3.5578

213.2560,
185.6752, 221.9682

1.9694, 0.7279,
1.3860

258.2197,

0.6167, 0.0000,

227.5485, 270.3895

0.1308

309.0970,
275.2867, 325.3854

■ 0.0000, 0.0000,
0.0000

■ 47.2014, 36.0718,
46.0697

■ 47.2014, 36.0718,
46.0697

■ 43.3105, 30.0765,
39.2644

■ 51.8500, 43.4218,
53.6216

■ 40.1300, 25.3463,
33.1764

■ 57.2938, 52.1986,
61.9432

■ 37.6117, 21.7888,
27.7773

■ 63.5711, 62.4750,
71.0592

■ 35.6997, 19.2964,
23.0350

■ 70.7172, 74.3178,
80.9926

■ 34.3280, 17.7416,
18.9136

■ 78.7650, 87.7893,
91.7648

■ 33.3954, 16.9093,
15.4181

■ 83.3187, 94.0946,
101.9213

■ 84.5507, 94.5874,
108.4086

Harmonies

Analogous

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



43.9698, 36.0718, 65.8320



47.2014, 36.0718, 46.0697



46.6761, 36.0718, 29.2796

Triad

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



47.2014, 36.0718, 46.0697



30.5893, 36.0718, 15.2299



27.1220, 36.0718, 70.6489

Complementary

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



47.2014, 36.0718, 46.0697



44.8293, 61.7169, 53.2688

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.



24.3076, 36.0718, 51.3225



47.2014, 36.0718, 46.0697



26.1385, 36.0718, 21.0378

Square

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



47.2014, 36.0718, 46.0697



36.5818, 36.0718, 14.5902



23.9704, 36.0718, 33.1854



32.0867, 36.0718, 82.5882

Rectangle

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



47.2014, 36.0718, 46.0697



44.2809, 36.0718, 21.6352



23.9704, 36.0718, 33.1854



25.9197, 36.0718, 64.5740

Sweetspot

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



47.2024, 36.0735, 46.0704



83.5861, 81.0197, 92.9091



40.9202, 32.1974, 74.5795



17.6459, 16.9392, 19.5346



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.



47.2024, 36.0735, 46.0704



58.9853, 41.6907, 54.2727



43.7788, 35.0382, 27.0120



13.9786, 13.8091, 15.6573



19.4958, 9.8653, 9.2765



1.3964, 0.7018, 0.8802

Inverse Universe

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



47.2024, 36.0735, 46.0704



58.9853, 41.6907, 54.2727



49.5415, 62.9596, 80.0628



13.9786, 13.8091, 15.6573



19.4958, 9.8653, 9.2765



1.3964, 0.7018, 0.8802

Previews

White Background



This preview shows how the XYZ color 47.2014, 36.0718, 46.0697 looks on a white background.

Color Contrast Check

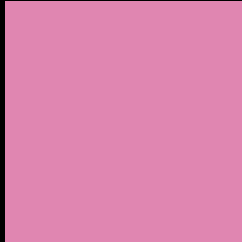
Large Text (above 18pt) WCAG AA × Fail

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 47.2014, 36.0718, 46.0697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

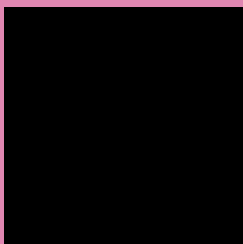
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2014, 36.0718, 46.0697

Background



This preview shows how black text looks on a background with the XYZ color 47.2014, 36.0718, 46.0697.



This preview shows how white text looks on a background with the XYZ color 47.2014, 36.0718,

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

47.2014, 36.0718, 46.0697

Protanopia

36.0000, 36.3533, 56.1584

Deuteranopia

37.0033, 36.3551, 44.6021



Tritanopia

44.5564, 36.0394, 33.4621

Trichromacy



Original Color

47.2014, 36.0718, 46.0697

Protanomaly

38.9661, 35.4674, 52.3691

Deuteranomaly

40.1257, 35.7574, 44.8314

Tritanomaly

45.4150, 35.9590, 37.8048

Monochromacy



Original Color

47.2014, 36.0718, 46.0697

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.3048, 36.5783, 43.0189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2014, 36.0718, 46.0697 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, 134, 177)` looks like.

```
.text, #text, p{  
    color:rgb(224, 134, 177)  
}
```

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, 134, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 134, 177) }
```

Border

The CSS property to change the border of an element to XYZ 47.2014, 36.0718, 46.0697 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, 134, 177) }
```


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

```
.border{ border-color:rgb(224, 134, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 134, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 134, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 134, 177);  
box-shadow:4px 4px 4px 4px rgb(224, 134,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2014, 36.0718, 46.0697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 134, 177) }
```

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

```
.background{ background-color: rgb(224,  
134, 177) }
```

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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