

Converting Colors

XYZ(46.0467, 33.9590, 42.9559)

Have a look what the booklet for
XYZ(46.0467, 33.9590, 42.9559)
contains.

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Color

**XYZ(45.9586, 33.9078,
43.1523)**

Conversions

Conversions Part 1

Format	Color
Hex	E17EAC
RGB	225, 126, 172
RGB Percent	88%, 49%, 67%
CMY	0.1176, 0.5059, 0.3255
CMYK	0.00, 0.44, 0.24, 0.12
HSL	332°, 62%, 69%
HSV	332°, 44%, 88%
XYZ	45.9586, 33.9078, 43.1523
YIQ	160.8450, 44.2380, 35.2940

Conversions

Conversions Part 2

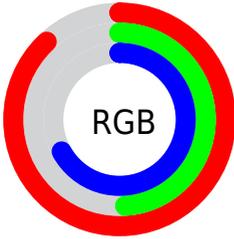
Format	Color
R _Y B	225, 126, 172
Decimal	14778028
CIE Lab	64.89, 43.78, -7.44
CIE LCh	65, 44.413, 350.352
Yxy	33.9078, 0.3736, 0.2756
Android (android.graphics.Color)	4292968108 (0xFFE17EAC)
YUV	160.8450, 5.4994, 56.2639
Hunter-Lab	58.2304, 38.9787, -3.1762

Details

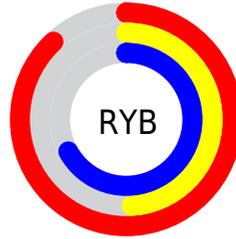
The XYZ color **45.9586, 33.9078, 43.1523** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **43.6677, 61.5417, 52.2280**, and the grayscale version is **33.7662, 35.5246, 38.6863**.

A 20% lighter version of the original color is **71.6290, 59.8538, 80.4507**, and **21.7753, 14.4691, 19.4144** is the 20% darker color. If you saturate the color by 10%, you get **42.2934, 28.3455, 36.4791**, and if you desaturate by 10%, it is **50.3776, 40.8092, 50.5949**.

Distribution



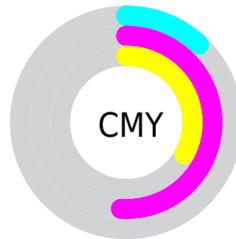
- Red (88%)
- Green (49%)
- Blue (67%)



- Red (88%)
- Yellow (49%)
- Blue (67%)



- Cyan (0%)
- Magenta (44%)
- Yellow (24%)
- Black (12%)



- Cyan (12%)
- Magenta (51%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9586, 33.9078, 43.1523 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 45.9586, 33.9078, 43.1523 by changing the saturation by 10% instead.

 45.9586, 33.9078,
43.1523

 45.9586, 33.9078,
43.1523

361.3609,
319.7207, 375.1773

 32.4176, 22.8228,
29.6723

 83.3853, 65.7903,
81.2295

 21.8378, 14.4627,
19.3401

 108.0017, 87.3565,
106.6637

 13.8537, 8.4432,
11.7370

 137.0407,
113.1853, 136.9199

 8.1000, 4.3798,
6.4445

170.8675,
143.6609, 172.4164

 4.2113, 1.8882,
3.0441

209.8476,
179.1679, 213.5719

 1.8224, 0.5413,
1.1172

254.3463,

 0.5311, 0.0000,

220.0906, 260.8048

0.0000

304.7290,
266.8134, 314.5338

■ 0.0000, 0.0000,
0.0000

■ 45.9586, 33.9078,
43.1523

■ 45.9586, 33.9078,
43.1523

■ 42.2934, 28.3455,
36.4791

■ 50.3776, 40.8092,
50.5949

■ 39.3324, 24.0286,
30.5440

■ 55.5899, 49.1255,
58.8323

■ 37.0244, 20.8587,
25.3161

■ 61.6358, 58.9326,
67.8908

■ 35.3090, 18.7203,
20.7604

■ 68.5517, 70.2996,
77.7949

■ 34.1138, 17.4733,
16.8370

■ 76.3720, 83.2912,
88.5678

 33.5777, 17.0181,
14.7560

 83.1828, 94.0761,
99.5831

 84.8615, 94.7476,
108.4232

Harmonies

Analogous

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



42.6718, 33.9078, 64.3085



45.9586, 33.9078, 43.1523



45.2093, 33.9078, 25.9613

Triad

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



45.9586, 33.9078, 43.1523



28.1320, 33.9078, 12.7411



24.9914, 33.9078, 71.2820

Complementary

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



45.9586, 33.9078, 43.1523



43.6677, 61.5417, 52.2280

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.



22.0055, 33.9078, 50.5957



45.9586, 33.9078, 43.1523



23.6451, 33.9078, 18.6773

Square

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



45.9586, 33.9078, 43.1523



34.3368, 33.9078, 11.9214



21.5476, 33.9078, 31.3184



30.2080, 33.9078, 83.7521

Rectangle

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



45.9586, 33.9078, 43.1523



42.5546, 33.9078, 18.4674



21.5476, 33.9078, 31.3184



23.7243, 33.9078, 64.7903

Sweetspot

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



45.9596, 33.9094, 43.1530



82.6444, 79.5521, 91.3133



39.5972, 29.9197, 74.9226



17.2813, 16.3612, 18.9471



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.



45.9596, 33.9094, 43.1530



56.4486, 38.0610, 48.9767



42.7084, 33.2953, 23.9163



13.9709, 13.8060, 15.6168



19.4067, 9.8297, 8.8073



1.3901, 0.6993, 0.8469

Inverse Universe

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



45.9596, 33.9094, 43.1530



56.4486, 38.0610, 48.9767



48.2376, 61.9560, 80.6509



13.9709, 13.8060, 15.6168



19.4067, 9.8297, 8.8073



1.3901, 0.6993, 0.8469

Previews

White Background



This preview shows how the XYZ color 45.9586, 33.9078, 43.1523 looks on a white background.

Color Contrast Check

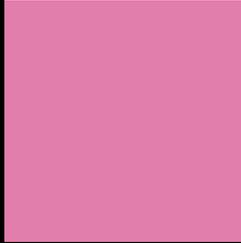
Large Text (above 18pt) WCAG AA × Fail

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 45.9586, 33.9078, 43.1523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

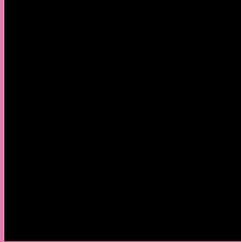
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9586, 33.9078, 43.1523

Background



This preview shows how black text looks on a background with the XYZ color 45.9586, 33.9078, 43.1523.



This preview shows how white text looks on a background with the XYZ color 45.9586, 33.9078,

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

45.9586, 33.9078, 43.1523

Protanopia

33.9806, 34.0667, 54.6537

Deuteranopia

34.7285, 34.0075, 41.2929



Tritanopia

43.2580, 33.9851, 29.8710

Trichromacy



Original Color

45.9586, 33.9078, 43.1523

Protanomaly

37.0138, 33.1007, 50.3372

Deuteranomaly

37.9702, 33.3283, 41.9679

Tritanomaly

44.1638, 33.9531, 34.3629

Monochromacy



Original Color

45.9586, 33.9078, 43.1523

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

37.1486, 34.0868, 40.2188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9586, 33.9078, 43.1523 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(225, 126, 172)` looks like.

```
.text, #text, p{  
    color:rgb(225, 126, 172)  
}
```

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(225, 126, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 126, 172) }
```

Border

The CSS property to change the border of an element to XYZ 45.9586, 33.9078, 43.1523 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(225, 126, 172) }
```


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

```
.border{ border-color:rgb(225, 126, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 126, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 126, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 126, 172);  
box-shadow:4px 4px 4px 4px rgb(225, 126,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9586, 33.9078, 43.1523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 126, 172) }
```

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

```
.background{ background-color: rgb(225,  
126, 172) }
```

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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