

Converting Colors

XYZ(45.2178, 32.2310, 19.7575)

Have a look what the booklet for
XYZ(45.2178, 32.2310, 19.7575)
contains.

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Color

**XYZ(45.2178, 32.2310,
19.7575)**

Conversions

Conversions Part 1

Format	Color
Hex	F07472
RGB	240, 116, 114
RGB Percent	94%, 45%, 45%
CMY	0.0588, 0.5451, 0.5529
CMYK	0.00, 0.52, 0.52, 0.06
HSL	1°, 81%, 69%
HSV	1°, 52%, 94%
XYZ	45.2178, 32.2310, 19.7575
YIQ	152.8480, 74.5460, 25.6660

Conversions

Conversions Part 2

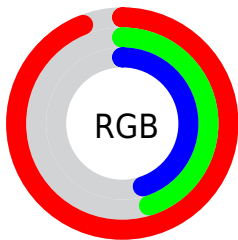
Format	Color
R _Y B	240, 116, 114
Decimal	15758450
CIE Lab	63.53, 47.51, 23.90
CIE LCh	64, 53.182, 26.704
Yxy	32.2310, 0.4652, 0.3316
Android (android.graphics.Color)	4293948530 (0xFFFF07472)
YUV	152.8480, -19.1521, 76.4323
Hunter-Lab	56.7724, 42.8193, 19.1070

Details

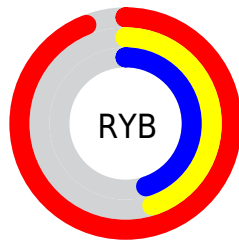
The XYZ color **45.2178, 32.2310, 19.7575** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **53.2399, 71.0132, 93.3385**, and the grayscale version is **30.2712, 31.8476, 34.6821**.

A 20% lighter version of the original color is **62.6858, 53.1390, 43.0293**, and **21.3513, 13.5321, 6.6409** is the 20% darker color. If you saturate the color by 10%, you get **41.6415, 26.9855, 12.6870**, and if you desaturate by 10%, it is **49.8459, 39.0071, 28.9470**.

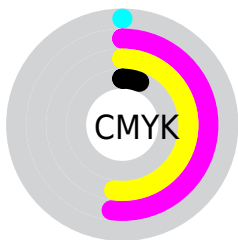
Distribution



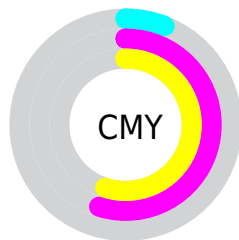
- Red (94%)
- Green (45%)
- Blue (45%)



- Red (94%)
- Yellow (45%)
- Blue (45%)



- Cyan (0%)
- Magenta (52%)
- Yellow (52%)
- Black (6%)





- Cyan (6%)
- Magenta (55%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2178, 32.2310, 19.7575 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 45.2178, 32.2310, 19.7575 by changing the saturation by 10% instead.


 45.2178, 32.2310,
19.7575


 45.2178, 32.2310,
19.7575


358.4238,
312.1702, 263.1600


 31.8310, 21.5380,
12.0366


 82.2822, 63.1730,
43.8639

 21.3874, 13.5178,
6.6457


 106.6905, 84.1909,
61.0864

 13.5215, 7.7861,
3.1665


 135.5034,
109.4191, 82.3131

 7.8681, 3.9584,
1.1803

 169.0862,
139.2422, 107.9627

 4.0618, 1.6503,
0.0000

207.8043,
174.0444, 138.4536

 1.7371, 0.3912,
0.0000

252.0231,

 0.4793, 0.0000,

214.2102, 174.2045

0.0000

302.1078,
260.1240, 215.6337

■ 0.0000, 0.0000,
0.0000

■ 45.2178, 32.2310,
19.7575

■ 45.2178, 32.2310,
19.7575

■ 41.6415, 26.9855,
12.6870

■ 49.8459, 39.0071,
28.9470

■ 39.0325, 23.1469,
7.5649

■ 55.5970, 47.4147,
40.4044

■ 37.2972, 20.5810,
4.1973


■ 62.5388, 57.5520,
54.2672

■ 36.3223, 19.1251,
2.3494

■ 70.7328, 69.5081,
70.6615

■ 35.9765, 18.6082,
1.6956

■ 80.2365, 83.3660,
89.7046

 89.7450, 97.2652,
108.6517

Harmonies

Analogous

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



47.1864, 32.2310, 37.4947



45.2178, 32.2310, 19.7575



39.1469, 32.2310, 10.8333

Triad

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



45.2178, 32.2310, 19.7575



20.1963, 32.2310, 17.1125



29.8221, 32.2310, 93.6783

Complementary

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



45.2178, 32.2310, 19.7575



53.2399, 71.0132, 93.3385

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.



23.4554, 32.2310, 81.4814



45.2178, 32.2310, 19.7575



18.4916, 32.2310, 32.7981

Square

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



45.2178, 32.2310, 19.7575



24.6640, 32.2310, 9.7958



19.5816, 32.2310, 56.8263



37.4984, 32.2310, 85.6680

Rectangle

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



45.2178, 32.2310, 19.7575



34.0320, 32.2310, 8.4683



19.5816, 32.2310, 56.8263



27.4712, 32.2310, 91.7159

Sweetspot

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



45.2186, 32.2327, 19.7581



77.6654, 74.6498, 74.0678



57.6805, 36.8512, 86.5105



16.2053, 15.3678, 15.0166



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.



45.2186, 32.2327, 19.7581



47.5424, 30.6071, 14.0742



54.6944, 51.1844, 22.9167



15.7930, 15.7991, 16.3669



19.7032, 10.2045, 0.9312



1.6462, 0.8630, 0.0798

Inverse Universe

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



53.2399, 71.0132, 93.3385



57.6511, 79.5162, 106.9174



38.3898, 41.3130, 88.3885



16.2245, 17.8832, 20.3183



25.0677, 36.3597, 50.8248



2.0923, 3.0385, 4.2304

Previews

White Background



This preview shows how the XYZ color 45.2178, 32.2310, 19.7575 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 45.2178, 32.2310, 19.7575 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 45.2178, 32.2310, 19.7575

Background



This preview shows how black text looks on a background with the XYZ color 45.2178, 32.2310, 19.7575.



This preview shows how white text looks on a background with the XYZ color 45.2178, 32.2310,

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

45.2178, 32.2310, 19.7575

Protanopia

30.5526, 32.4313, 26.1223

Deuteranopia

33.1174, 32.4743, 18.9907



Tritanopia

45.9815, 32.3923, 22.5677

Trichromacy



Original Color

45.2178, 32.2310, 19.7575

Protanomaly

34.3150, 31.1840, 23.6126

Deuteranomaly

36.5752, 31.5934, 19.2093

Tritanomaly

45.7965, 32.3183, 21.5936

Monochromacy



Original Color

45.2178, 32.2310, 19.7575

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

34.0459, 30.9345, 28.6026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2178, 32.2310, 19.7575 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(240, 116, 114)` looks like.

```
.text, #text, p{  
    color:rgb(240, 116, 114)  
}
```

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(240, 116, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 116, 114) }
```

Border

The CSS property to change the border of an element to XYZ 45.2178, 32.2310, 19.7575 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(240, 116, 114) }
```


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

```
.border{ border-color:rgb(240, 116, 114) }
```

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

Here you see how a box with a 4 pixel rgb(240, 116, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 116, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 116, 114);  
box-shadow:4px 4px 4px 4px rgb(240, 116,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2178, 32.2310, 19.7575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 116, 114) }
```

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

```
.background{ background-color: rgb(240,  
116, 114) }
```

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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