

Converting Colors

XYZ(45.0201, 32.8006, 21.7518)

Have a look what the booklet for
XYZ(45.0201, 32.8006, 21.7518)
contains.

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Color

**XYZ(45.0317, 32.7935,
21.7257)**

Conversions

Conversions Part 1

Format	Color
Hex	ED7878
RGB	237, 120, 120
RGB Percent	93%, 47%, 47%
CMY	0.0706, 0.5294, 0.5294
CMYK	0.00, 0.49, 0.49, 0.07
HSL	0°, 76%, 70%
HSV	0°, 49%, 93%
XYZ	45.0317, 32.7935, 21.7257
YIQ	154.9830, 69.7320, 24.8040

Conversions

Conversions Part 2

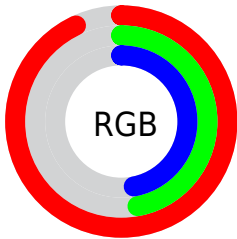
Format	Color
R _Y B	237, 120, 120
Decimal	15562872
CIE Lab	63.99, 44.99, 21.05
CIE LCh	64, 49.671, 25.074
Yxy	32.7935, 0.4523, 0.3294
Android (android.graphics.Color)	4293752952 (0xFFED7878)
YUV	154.9830, -17.2466, 71.9289
Hunter-Lab	57.2656, 40.1514, 17.5922

Details

The XYZ color **45.0317, 32.7935, 21.7257** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **53.3143, 70.6724, 90.9517**, and the grayscale version is **31.2014, 32.8263, 35.7479**.

A 20% lighter version of the original color is **64.0164, 54.8985, 46.2522**, and **21.3083, 13.8293, 7.6771** is the 20% darker color. If you saturate the color by 10%, you get **41.2612, 27.2767, 14.2294**, and if you desaturate by 10%, it is **49.8649, 39.8665, 31.3328**.

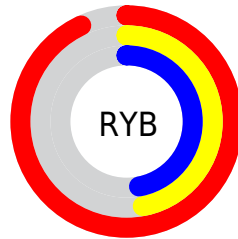
Distribution



Red (93%)

Green (47%)

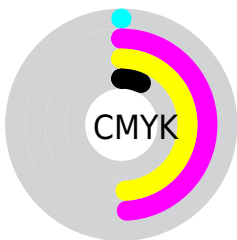
Blue (47%)



Red (93%)

Yellow (47%)

Blue (47%)

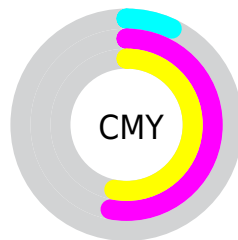


Cyan (0%)

Magenta (49%)

Yellow (49%)

Black (7%)



Cyan (7%)


Magenta (53%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0317, 32.7935, 21.7257 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 45.0317, 32.7935, 21.7257 by changing the saturation by 10% instead.


 45.0317, 32.7935,
21.7257


 45.0317, 32.7935,
21.7257


357.6835,
314.7182, 274.0171


 31.6838, 21.9683,
13.4591


 82.0048, 64.0530,
47.1886

 21.2745, 13.8336,
7.6110


 106.3606, 85.2561,
65.2219

 13.4384, 8.0050,
3.7629


 135.1165,
110.6873, 87.3480

 7.8102, 4.0982,
1.4962

168.6377,
140.7309, 113.9852

 4.0245, 1.7286,
0.2151

207.2896,
175.7714, 145.5522

 1.7160, 0.4421,
0.0000

251.4377,

 0.4663, 0.0000,

216.1932, 182.4675

0.0000

301.4472,
262.3807, 225.1496

■ 0.0000, 0.0000,
0.0000

■ 45.0317, 32.7935,
21.7257

■ 45.0317, 32.7935,
21.7257

■ 41.2612, 27.2767,
14.2294

■ 49.8649, 39.8665,
31.3328

■ 38.4713, 23.1942,
8.6835

■ 55.8301, 48.5953,
43.1912

■ 36.5718, 20.4146,
4.9077


■ 62.9934, 59.0772,
57.4315


■ 35.4548, 18.7799,
2.6873

■ 71.4152, 71.4007,
74.1737

■ 34.9496, 18.0406,
1.6832

■ 81.1519, 85.6482,
93.5300

 34.9251, 18.0047,
1.6345

 88.7350, 96.7445,
108.6045

Harmonies

Analogous

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



46.6085, 32.7935, 39.1228



45.0317, 32.7935, 21.7257



39.5350, 32.7935, 12.4967

Triad

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



45.0317, 32.7935, 21.7257



21.3779, 32.7935, 17.8606



30.0268, 32.7935, 89.5840

Complementary

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



45.0317, 32.7935, 21.7257



53.3143, 70.6724, 90.9517

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.



24.0756, 32.7935, 77.5962



45.0317, 32.7935, 21.7257



19.5825, 32.7935, 32.4951

Square

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



45.0317, 32.7935, 21.7257



25.8020, 32.7935, 10.9226



20.4909, 32.7935, 54.6780



37.2335, 32.7935, 83.2880

Rectangle

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



45.0317, 32.7935, 21.7257



34.7692, 32.7935, 9.8969



20.4909, 32.7935, 54.6780



27.8267, 32.7935, 87.4607

Sweetspot

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



45.0325, 32.7952, 21.7263



78.4808, 75.7547, 75.9610



56.9276, 37.5521, 84.3684



16.3598, 15.5732, 15.3873



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.



45.0325, 32.7952, 21.7263



48.7734, 32.2840, 16.9044



54.3354, 51.4009, 24.8272



15.0656, 15.0542, 15.6304



19.0679, 9.8300, 0.8924



1.4973, 0.7719, 0.0701

Inverse Universe

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



53.3143, 70.6724, 90.9517



59.5805, 81.7112, 107.2394



39.0521, 42.1479, 86.1977



15.5177, 17.1218, 19.4092



24.8778, 36.4026, 49.4582



1.9535, 2.8585, 3.8837

Previews

White Background



This preview shows how the XYZ color 45.0317, 32.7935, 21.7257 looks on a white background.

Color Contrast Check

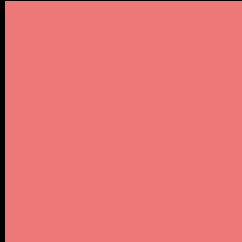
Large Text (above 18pt) WCAG AA × Fail

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 45.0317, 32.7935, 21.7257 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 45.0317, 32.7935, 21.7257

Background



This preview shows how black text looks on a background with the XYZ color 45.0317, 32.7935, 21.7257.



This preview shows how white text looks on a background with the XYZ color 45.0317, 32.7935,

21.7257.

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

45.0317, 32.7935, 21.7257

Protanopia

31.3410, 33.0354, 28.3915

Deuteranopia

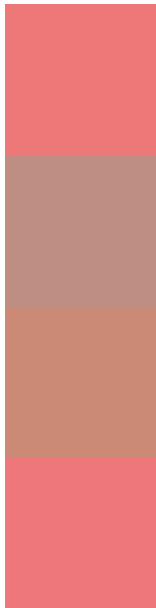
33.6091, 32.9230, 20.8030



Tritanopia

45.6875, 32.9031, 24.0216

Trichromacy



Original Color

45.0317, 32.7935, 21.7257

Protanomaly

35.0049, 31.9318, 25.7912

Deuteranomaly

36.9280, 32.1578, 21.0904

Tritanomaly

45.4948, 32.8260, 23.0070

Monochromacy



Original Color

45.0317, 32.7935, 21.7257

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

34.5631, 31.6133, 29.8715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0317, 32.7935, 21.7257 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(237, 120, 120)` looks like.

```
.text, #text, p{  
    color:rgb(237, 120, 120)  
}
```

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(237, 120, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 120, 120) }
```

Border

The CSS property to change the border of an element to XYZ 45.0317, 32.7935, 21.7257 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(237, 120, 120) }
```


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

```
.border{ border-color:rgb(237, 120, 120) }
```

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

Here you see how a box with a 4 pixel rgb(237, 120, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 120, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 120, 120);  
box-shadow:4px 4px 4px 4px rgb(237, 120,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0317, 32.7935, 21.7257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 120, 120) }
```

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

```
.background{ background-color: rgb(237,  
120, 120) }
```

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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