

Converting Colors

XYZ(42.9238, 27.4305, 12.8686)

Have a look what the booklet for
XYZ(42.9238, 27.4305, 12.8686)
contains.

XYZ(42.9376, 27.4706, 12.9368)	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(42.9376, 27.4706,
12.9368)**

Conversions

Conversions Part 1

Format	Color
Hex	F45B5B
RGB	244, 91, 91
RGB Percent	96%, 36%, 36%
CMY	0.0431, 0.6431, 0.6431
CMYK	0.00, 0.63, 0.63, 0.04
HSL	0°, 87%, 66%
HSV	0°, 63%, 96%
XYZ	42.9376, 27.4706, 12.9368
YIQ	136.7470, 91.1880, 32.4360

Conversions

Conversions Part 2

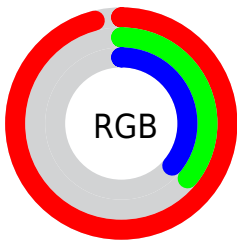
Format	Color
R_{YB}	244, 91, 91
Decimal	16014171
CIE _{Lab}	59.41, 58.62, 31.69
CIE _{LCh}	59, 66.637, 28.396
Yxy	27.4706, 0.5152, 0.3296
Android (android.graphics.Color)	4294204251 (0xFFFF45B5B)
YUV	136.7470, -22.5533, 94.0609
Hunter-Lab	52.4124, 54.5101, 22.0543

Details

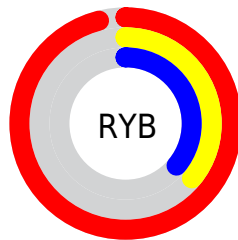
The XYZ color **42.9376, 27.4706, 12.9368** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **52.9912, 73.4513, 96.9719**, and the grayscale version is **23.7419, 24.9783, 27.2014**.

A 20% lighter version of the original color is **56.4814, 44.0505, 30.7250**, and **19.9691, 10.8919, 3.5325** is the 20% darker color. If you saturate the color by 10%, you get **40.2933, 23.6017, 7.6795**, and if you desaturate by 10%, it is **46.6030, 32.8348, 20.2223**.

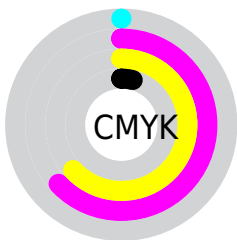
Distribution



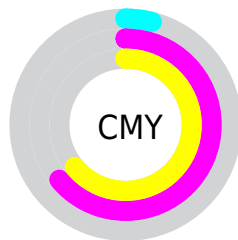
- Red (96%)
- Green (36%)
- Blue (36%)



- Red (96%)
- Yellow (36%)
- Blue (36%)



- Cyan (0%)
- Magenta (63%)
- Yellow (63%)
- Black (4%)





- Cyan (4%)
- Magenta (64%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9376, 27.4706, 12.9368 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 42.9376, 27.4706, 12.9368 by changing the saturation by 10% instead.


 42.9376, 27.4706,
12.9368


 42.9376, 27.4706,
12.9368


349.2810,
289.9285, 221.7058


 30.0305, 17.9270,
7.2548


 78.8730, 55.6381,
31.8797


 20.0099, 10.8976,
3.5411


 102.6320, 75.0308,
45.9777

 12.5105, 5.9980,
1.3771


 130.7389, 98.4753,
63.7182

 7.1670, 2.8439,
0.1238

 163.5592,
126.3559, 85.5196

 3.6140, 1.0508,
0.0000

201.4582,
159.0572, 111.8005

 1.4862, 0.0000,
0.0000

244.8013,

 0.3164, 0.0000,

196.9635, 142.9795

0.0000

293.9537,
240.4591, 179.4751

■ 0.0000, 0.0000,
0.0000

■ 42.9376, 27.4706,
12.9368

■ 42.9376, 27.4706,
12.9368

■ 40.2933, 23.6017,
7.6795

■ 46.6030, 32.8348,
20.2223

■ 38.5650, 21.0726,
4.2442

■ 51.3768, 39.8203,
29.7121


■ 37.6288, 19.7026,
2.3835


■ 57.3392, 48.5450,
41.5650

■ 37.3081, 19.2333,
1.7460

■ 64.5624, 59.1147,
55.9245

■ 73.1131, 71.6267,
72.9229

 83.0529, 86.1715,
92.6831

 91.1180, 97.9730,
108.7160

Harmonies

Analogous

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



45.6771, 27.4706, 31.2165



42.9376, 27.4706, 12.9368



35.4620, 27.4706, 5.3511

Triad

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



42.9376, 27.4706, 12.9368



14.6819, 27.4706, 11.7032



25.6631, 27.4706, 103.4612

Complementary

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



42.9376, 27.4706, 12.9368



52.9912, 73.4513, 96.9719

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.



18.5662, 27.4706, 88.6688



42.9376, 27.4706, 12.9368



13.1224, 27.4706, 28.6421

Square

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



42.9376, 27.4706, 12.9368



19.1933, 27.4706, 4.9528



14.3778, 27.4706, 57.5474



34.5159, 27.4706, 91.3515

Rectangle

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



42.9376, 27.4706, 12.9368



29.4751, 27.4706, 3.6927



14.3778, 27.4706, 57.5474



23.0112, 27.4706, 101.3668

Sweetspot

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



42.9382, 27.4722, 12.9373



74.6522, 70.1523, 68.3496



57.3781, 33.2469, 88.9805



15.4242, 14.2041, 13.5274



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.



42.9382, 27.4722, 12.9373



43.9783, 25.2673, 7.3724



53.1068, 47.8093, 16.3268



16.4993, 16.4827, 17.1094



20.2863, 10.4581, 0.9494



1.7830, 0.9192, 0.0835

Inverse Universe

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



52.9912, 73.4513, 96.9719



55.9045, 79.8144, 107.0670



34.5540, 36.5768, 90.8262



16.9967, 18.7577, 21.2673



26.4671, 38.7279, 52.6183



2.3262, 3.4039, 4.6246

Previews

White Background



This preview shows how the XYZ color 42.9376, 27.4706, 12.9368 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9376, 27.4706, 12.9368 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 42.9376, 27.4706, 12.9368

Background



This preview shows how black text looks on a background with the XYZ color 42.9376, 27.4706, 12.9368.



This preview shows how white text looks on a background with the XYZ color 42.9376, 27.4706,

12.9368.

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

42.9376, 27.4706, 12.9368

Protanopia

25.8840, 27.5871, 19.2898

Deuteranopia

27.9626, 27.5145, 12.0207



Tritanopia

43.0757, 27.3900, 14.0828

Trichromacy



Original Color

42.9376, 27.4706, 12.9368

Protanomaly

29.9560, 25.8539, 16.5081

Deuteranomaly

31.9494, 26.2469, 12.1863

Tritanomaly

42.9848, 27.3536, 13.6039

Monochromacy



Original Color

42.9376, 27.4706, 12.9368

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

28.0111, 24.0191, 20.9291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9376, 27.4706, 12.9368 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(244, 91, 91)` looks like.

```
.text, #text, p{  
    color:rgb(244, 91, 91)  
}
```

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(244, 91, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 91, 91) }
```

Border

The CSS property to change the border of an element to XYZ 42.9376, 27.4706, 12.9368 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(244, 91, 91) }
```


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

```
.border{ border-color:rgb(244, 91, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 91, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 91, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 91, 91);  
box-shadow:4px 4px 4px 4px rgb(244, 91,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9376, 27.4706, 12.9368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 91, 91) }
```

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

```
.background{ background-color: rgb(244, 91,  
91) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor