

Converting Colors

XYZ(45.1741, 27.0240, 9.7608)

Have a look what the booklet for
XYZ(45.1741, 27.0240, 9.7608)
contains.

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Color

**XYZ(45.1984, 27.0896,
9.6841)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4D4C
RGB	255, 77, 76
RGB Percent	100%, 30%, 30%
CMY	0.0000, 0.6980, 0.7020
CMYK	0.00, 0.70, 0.70, 0.00
HSL	0°, 100%, 65%
HSV	0°, 70%, 100%
XYZ	45.1984, 27.0896, 9.6841
YIQ	130.1080, 106.4090, 37.4250

Conversions

Conversions Part 2

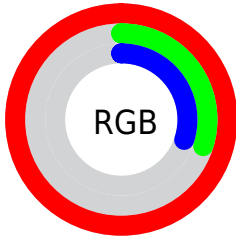
Format	Color
R_{YB}	255, 77, 76
Decimal	16731468
CIE _{Lab}	59.06, 66.75, 40.13
CIE _{LCh}	59, 77.884, 31.018
Yxy	27.0896, 0.5514, 0.3305
Android (android.graphics.Color)	4294921548 (0xFFFF4D4C)
YUV	130.1080, -26.6752, 109.5303
Hunter-Lab	52.0477, 63.9267, 25.4017

Details

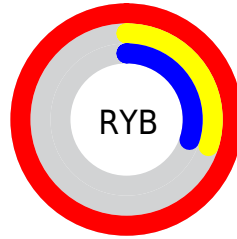
The XYZ color **45.1984, 27.0896, 9.6841** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **56.4683, 79.6322, 107.0014**, and the grayscale version is **21.3231, 22.4336, 24.4301**.

A 20% lighter version of the original color is **53.7458, 40.3490, 24.3575**, and **21.4825, 11.0461, 2.2962** is the 20% darker color. If you saturate the color by 10%, you get **43.0390, 23.9200, 5.4232**, and if you desaturate by 10%, it is **48.4010, 31.7846, 16.0250**.

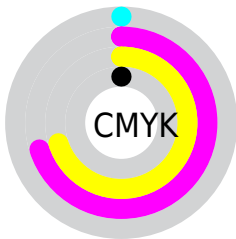
Distribution



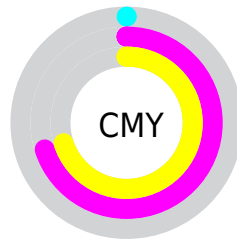
- Red (100%)
- Green (30%)
- Blue (30%)



- Red (100%)
- Yellow (30%)
- Blue (30%)



- Cyan (0%)
- Magenta (70%)
- Yellow (70%)
- Black (0%)





- Cyan (0%)
- Magenta (70%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1984, 27.0896, 9.6841 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 45.1984, 27.0896, 9.6841 by changing the saturation by 10% instead.


 45.1984, 27.0896,
9.6841

 45.1984, 27.0896,
9.6841


358.3467,
288.0907, 198.8045


 31.8157, 17.6405,
5.0872


 82.2533, 55.0276,
25.7981

 21.3756, 10.6922,
2.2389


 106.6562, 74.2853,
38.1522

 13.5129, 5.8603,
0.6967


 135.4631, 97.5814,
53.9291

 7.8621, 2.7603,
0.0000

 169.0395,
125.3002, 73.5473

 4.0579, 1.0079,
0.0000

 207.7507,
157.8262, 97.4254

 1.7349, 0.0000,
0.0000

251.9621,

 0.4780, 0.0000,

195.5436, 125.9820

0.0000

302.0389,
238.8370, 159.6355

■ 0.0000, 0.0000,
0.0000

■ 45.1984, 27.0896,
9.6841

■ 45.1984, 27.0896,
9.6841

■ 43.0390, 23.9200,
5.4232

■ 48.4010, 31.7846,
16.0250

■ 41.7913, 22.0822,
2.9794


■ 52.7538, 38.1587,
24.6639

■ 41.2554, 21.2911,
1.9352

■ 58.3527, 46.3520,
35.7925

■ 65.2829, 56.4887,
49.5824

■ 73.6223, 68.6823,
66.1899

 83.4428, 83.0373,
85.7590

94.8111, 99.6512,
108.4241

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



49.1747, 27.0896, 28.5602



45.1984, 27.0896, 9.6841



35.8500, 27.0896, 3.1318

Triad

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



45.1984, 27.0896, 9.6841



12.6662, 27.0896, 10.4849



26.0795, 27.0896, 121.2126

Complementary

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



45.1984, 27.0896, 9.6841



56.4683, 79.6322, 107.0014

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.



17.7478, 27.0896, 104.9139



45.1984, 27.0896, 9.6841



11.2715, 27.0896, 30.4520

Square

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



45.1984, 27.0896, 9.6841



17.3051, 27.0896, 3.3487



12.8732, 27.0896, 66.3298



36.5680, 27.0896, 102.7253

Rectangle

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



45.1984, 27.0896, 9.6841



28.7617, 27.0896, 1.9672



12.8732, 27.0896, 66.3298



22.9523, 27.0896, 119.5661

Sweetspot

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



45.1990, 27.0912, 9.6845



72.8982, 67.6233, 64.7468



61.8741, 33.6488, 97.8408



15.0863, 13.7184, 12.8288



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.



45.1990, 27.0912, 9.6845



42.4651, 23.0754, 4.2954



56.0898, 48.8727, 13.3148



18.0177, 18.0035, 18.6697



21.5605, 11.1323, 1.0124



2.1020, 1.0894, 0.0995

Inverse Universe

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



56.4683, 79.6322, 107.0014



54.3315, 78.4373, 106.8841



34.5760, 35.8475, 99.7040



18.5456, 20.4628, 23.2222



27.8816, 40.6728, 55.8157



2.7175, 3.9657, 5.4355

Previews

White Background



This preview shows how the XYZ color 45.1984, 27.0896, 9.6841 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



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 45.1984, 27.0896, 9.6841

Background



This preview shows how black text looks on a background with the XYZ color 45.1984, 27.0896, 9.6841.



This preview shows how white text looks on a background with the XYZ color 45.1984, 27.0896,

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

45.1984, 27.0896, 9.6841

Protanopia

25.2516, 27.1169, 15.7076

Deuteranopia

27.6920, 27.2318, 8.9510



Tritanopia

45.3418, 27.1469, 10.4395

Trichromacy



Original Color

45.1984, 27.0896, 9.6841

Protanomaly

29.8526, 24.7886, 13.1088

Deuteranomaly

32.4131, 25.6828, 9.0433

Tritanomaly

45.3052, 27.1323, 10.2463

Monochromacy



Original Color

45.1984, 27.0896, 9.6841

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

26.1781, 21.6086, 17.5430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1984, 27.0896, 9.6841 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(255, 77, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 76)  
}
```

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(255, 77, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 76) }
```

Border

The CSS property to change the border of an element to XYZ 45.1984, 27.0896, 9.6841 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(255, 77, 76) }
```


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

```
.border{ border-color:rgb(255, 77, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 77, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1984, 27.0896, 9.6841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 76) }
```

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

```
.background{ background-color: rgb(255, 77,  
76) }
```

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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