

Converting Colors

XYZ(45.1779, 27.0224, 9.7583)

Have a look what the booklet for
XYZ(45.1779, 27.0224, 9.7583)
contains.

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Color

**XYZ(45.1289, 26.9507,
9.6609)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4C4C
RGB	255, 76, 76
RGB Percent	100%, 30%, 30%
CMY	0.0000, 0.7019, 0.7020
CMYK	0.00, 0.70, 0.70, 0.00
HSL	0°, 100%, 65%
HSV	0°, 70%, 100%
XYZ	45.1289, 26.9507, 9.6609
YIQ	129.5210, 106.6840, 37.9480

Conversions

Conversions Part 2

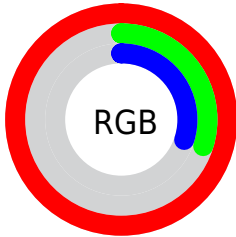
Format	Color
RYB	255, 76, 76
Decimal	16731212
CIELab	58.93, 67.10, 39.98
CIELCh	59, 78.111, 30.790
Yxy	26.9507, 0.5521, 0.3297
Android (android.graphics.Color)	4294921292 (0xFFFF4C4C)
YUV	129.5210, -26.3859, 110.0451
Hunter-Lab	51.9141, 64.3205, 25.3063

Details

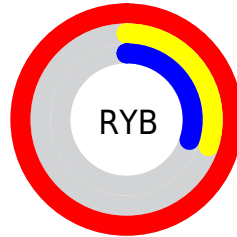
The XYZ color **45.1289, 26.9507, 9.6609** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **56.7862, 80.2681, 107.1073**, and the grayscale version is **21.1145, 22.2141, 24.1912**.

A 20% lighter version of the original color is **53.6056, 40.0686, 24.3107**, and **21.4825, 11.0461, 2.2962** is the 20% darker color. If you saturate the color by 10%, you get **42.9890, 23.8199, 5.4065**, and if you desaturate by 10%, it is **48.3167, 31.6162, 15.9969**.

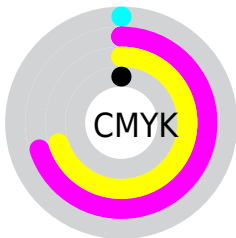
Distribution



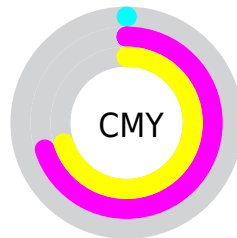
- Red (100%)
- Green (30%)
- Blue (30%)



- 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 45.1289, 26.9507, 9.6609 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 45.1289, 26.9507, 9.6609 by changing the saturation by 10% instead.


 45.1289, 26.9507,
9.6609


 45.1289, 26.9507,
9.6609

358.0703,
287.4183, 198.6305


 31.7607, 17.5362,
5.0721


 82.1497, 54.8047,
25.7535

 21.3334, 10.6175,
2.2301


 106.5329, 74.0131,
38.0943


 13.4818, 5.8103,
0.6917


 135.3186, 97.2548,
53.8562

 7.8404, 2.7301,
0.0000

 168.8720,
124.9144, 73.4576

 4.0439, 0.9925,
0.0000

 207.5585,
157.3761, 97.3173

 1.7270, 0.0000,
0.0000

251.7435,

 0.4731, 0.0000,

195.0244, 125.8536

0.0000

301.7923,
238.2437, 159.4852

■ 0.0000, 0.0000,
0.0000

■ 45.1289, 26.9507,
9.6609

■ 45.1289, 26.9507,
9.6609

■ 42.9890, 23.8199,
5.4065

■ 48.3167, 31.6162,
15.9969

■ 41.7631, 22.0260,
2.9700


■ 52.6610, 37.9733,
24.6329

■ 41.2398, 21.2602,
1.9300

■ 58.2590, 46.1648,
35.7612

■ 65.1971, 56.3172,
49.5537

■ 73.5540, 68.5457,
66.1669

 83.4024, 82.9566,
85.7453

94.8100, 99.6491,
108.4235

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



49.0562, 26.9507, 28.6174



45.1289, 26.9507, 9.6609



35.7987, 26.9507, 3.0908

Triad

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



45.1289, 26.9507, 9.6609



12.5771, 26.9507, 10.2793



25.8728, 26.9507, 121.2296

Complementary

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



45.1289, 26.9507, 9.6609



56.7862, 80.2681, 107.1073

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.



17.5741, 26.9507, 104.6357



45.1289, 26.9507, 9.6609



11.1637, 26.9507, 30.0843

Square

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



45.1289, 26.9507, 9.6609



17.2313, 26.9507, 3.2573



12.7371, 26.9507, 65.8944



36.3560, 26.9507, 102.9331

Rectangle

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



45.1289, 26.9507, 9.6609



28.7073, 26.9507, 1.9230



12.7371, 26.9507, 65.8944



22.7546, 26.9507, 119.4842

Sweetspot

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



45.1295, 26.9523, 9.6613



72.8282, 67.4834, 64.7234



61.8740, 33.6487, 97.8407



15.0701, 13.6860, 12.8234



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.



45.1295, 26.9523, 9.6613



42.4233, 22.9918, 4.2815



56.0897, 48.8726, 13.3147



18.0096, 17.9873, 18.6670



21.5489, 11.1091, 1.0085



2.0982, 1.0817, 0.0982

Inverse Universe

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



56.7862, 80.2681, 107.1073



54.7118, 79.1980, 107.0109



34.5759, 35.8474, 99.7039



18.5548, 20.4813, 23.2253



28.1140, 41.1377, 55.8932



2.7374, 4.0055, 5.4421

Previews

White Background



This preview shows how the XYZ color 45.1289, 26.9507, 9.6609 looks on a white background.

Color Contrast Check

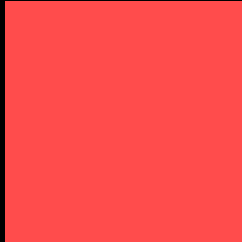
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.1289, 26.9507, 9.6609 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 45.1289, 26.9507, 9.6609

Background



This preview shows how black text looks on a background with the XYZ color 45.1289, 26.9507, 9.6609.



This preview shows how white text looks on a background with the XYZ color 45.1289, 26.9507,

9.6609.

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

45.1289, 26.9507, 9.6609

Protanopia

25.1101, 27.0384, 15.9521

Deuteranopia

27.5518, 26.9514, 8.9043



Tritanopia

45.2357, 26.9934, 10.2232

Trichromacy



Original Color

45.1289, 26.9507, 9.6609

Protanomaly

29.6020, 24.6593, 13.0971

Deuteranomaly

32.2996, 25.4560, 9.0055

Tritanomaly

45.1996, 26.9789, 10.0329

Monochromacy



Original Color

45.1289, 26.9507, 9.6609

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

26.0696, 21.3916, 17.5068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1289, 26.9507, 9.6609 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, 76, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 76, 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, 76, 76) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 45.1289, 26.9507, 9.6609 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, 76, 76) }
```


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

```
.border{ border-color:rgb(255, 76, 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, 76, 76) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 45.1289, 26.9507, 9.6609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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