

Converting Colors

XYZ(36.3178, 22.3298, 10.0533)

Have a look what the booklet for
XYZ(36.3178, 22.3298, 10.0533)
contains.

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Color

**XYZ(36.2771, 22.2694,
9.9758)**

Conversions

Conversions Part 1

Format	Color
Hex	E54B50
RGB	229, 75, 80
RGB Percent	90%, 29%, 31%
CMY	0.1020, 0.7058, 0.6863
CMYK	0.00, 0.67, 0.65, 0.10
HSL	358°, 75%, 60%
HSV	358°, 67%, 90%
XYZ	36.2771, 22.2694, 9.9758
YIQ	121.6160, 90.1790, 34.2030

Conversions

Conversions Part 2

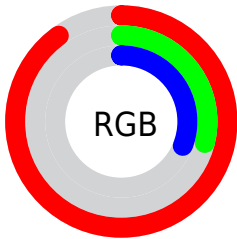
Format	Color
RYB	229, 75, 80
Decimal	15027024
CIELab	54.31, 59.62, 31.06
CIElCh	54, 67.229, 27.521
Yxy	22.2694, 0.5294, 0.3250
Android (android.graphics.Color)	4293217104 (0xFFE54B50)
YUV	121.6160, -20.5167, 94.1758
Hunter-Lab	47.1905, 54.6364, 20.4998

Details

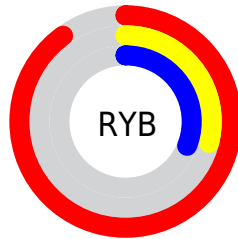
The XYZ color **36.2771, 22.2694, 9.9758** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **44.3774, 62.9168, 80.3329**, and the grayscale version is **18.4189, 19.3782, 21.1028**.

A 20% lighter version of the original color is **53.4537, 39.3475, 25.5464**, and **16.0293, 8.2283, 2.3335** is the 20% darker color. If you saturate the color by 10%, you get **34.3055, 19.4277, 5.9238**, and if you desaturate by 10%, it is **39.0783, 26.3390, 15.6359**.

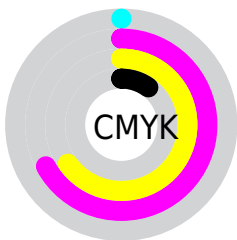
Distribution



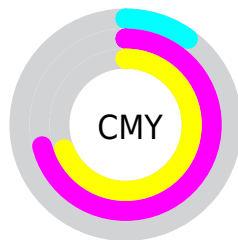
- Red (90%)
- Green (29%)
- Blue (31%)



- Red (90%)
- Yellow (29%)
- Blue (31%)



- Cyan (0%)
- Magenta (67%)
- Yellow (65%)
- Black (10%)





- Cyan (10%)
- Magenta (71%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2771, 22.2694, 9.9758 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 36.2771, 22.2694, 9.9758 by changing the saturation by 10% instead.


 36.2771, 22.2694,
9.9758


 36.2771, 22.2694,
9.9758


321.5802,
263.9499, 200.9778


 24.8194, 14.0550,
5.2775


 68.7806, 47.1909,
26.3571

 16.0706, 8.1589,
2.3494


 90.5571, 64.6667,
38.8772


 9.6653, 4.1968,
0.7587


 116.5040, 85.9984,
54.8416

 5.2381, 1.7843,
0.0000

 146.9865,
111.5705, 74.6689

 2.4238, 0.4773,
0.0000

 182.3700,
141.7673, 98.7776

 0.8570, 0.0000,
0.0000

223.0199,

 0.0000, 0.0000,

176.9732, 127.5863

0.0000

269.3015,
217.5726, 161.5135

■ 36.2771, 22.2694,
9.9758

■ 36.2771, 22.2694,
9.9758

■ 34.3055, 19.4277,
5.9238

■ 39.0783, 26.3390,
15.6359

■ 33.0710, 17.6724,
3.3120

■ 42.7853, 31.7499,
23.0471


■ 32.4574, 16.8253,
1.9357


■ 47.4676, 38.6069,
32.3380


■ 32.3535, 16.6741,
1.7263

■ 53.1872, 47.0035,
43.6246

■ 60.0013, 57.0254,
57.0137

 67.9626, 68.7517,
72.6044

 77.1207, 82.2566,
90.4897

 86.1228, 95.3979,
108.4822

Harmonies

Analogous

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



38.5884, 22.2694, 26.0348



36.2771, 22.2694, 9.9758



29.6673, 22.2694, 3.6545

Triad

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



36.2771, 22.2694, 9.9758



11.3686, 22.2694, 8.3955



20.5629, 22.2694, 91.0051

Complementary

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



36.2771, 22.2694, 9.9758



44.3774, 62.9168, 80.3329

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.



14.4676, 22.2694, 76.6823



36.2771, 22.2694, 9.9758



9.9821, 22.2694, 22.5441

Square

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



36.2771, 22.2694, 9.9758



15.3021, 22.2694, 3.1822



10.9707, 22.2694, 48.0726



28.3650, 22.2694, 80.5038

Rectangle

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



36.2771, 22.2694, 9.9758



24.3584, 22.2694, 2.3376



10.9707, 22.2694, 48.0726



18.2662, 22.2694, 88.8124

Sweetspot

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



36.2776, 22.2707, 9.9762



73.9313, 68.8851, 67.5710



47.3586, 26.5166, 76.7503



15.2920, 13.9612, 13.4173



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.



36.2776, 22.2707, 9.9762



43.0085, 23.6881, 5.9379



43.9970, 37.9937, 11.6732



14.3958, 14.3755, 15.0189



18.5067, 9.5369, 1.0315



1.3743, 0.7074, 0.1116

Inverse Universe

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



36.2776, 22.2707, 9.9762



43.0085, 23.6881, 5.9379



29.1255, 31.3140, 78.6372



14.3958, 14.3755, 15.0189



18.5067, 9.5369, 1.0315



1.3743, 0.7074, 0.1116

Previews

White Background



This preview shows how the XYZ color 36.2771, 22.2694, 9.9758 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 36.2771, 22.2694, 9.9758 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 36.2771, 22.2694, 9.9758

Background



This preview shows how black text looks on a background with the XYZ color 36.2771, 22.2694, 9.9758.



This preview shows how white text looks on a background with the XYZ color 36.2771, 22.2694,

9.9758.

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

36.2771, 22.2694, 9.9758

Protanopia

21.0284, 22.4135, 15.7883

Deuteranopia

22.6754, 22.2541, 9.2312



Tritanopia

36.2405, 22.2547, 9.7826

Trichromacy



Original Color

36.2771, 22.2694, 9.9758

Protanomaly

24.6096, 20.7307, 13.2940

Deuteranomaly

26.1912, 21.0064, 9.3308

Tritanomaly

36.2405, 22.2547, 9.7826

Monochromacy



Original Color

36.2771, 22.2694, 9.9758

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

22.4034, 18.7418, 16.3467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2771, 22.2694, 9.9758 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(229, 75, 80)` looks like.

```
.text, #text, p{  
    color:rgb(229, 75, 80)  
}
```

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(229, 75, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 75, 80) }
```

Border

The CSS property to change the border of an element to XYZ 36.2771, 22.2694, 9.9758 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(229, 75, 80) }
```


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

```
.border{ border-color:rgb(229, 75, 80) }
```

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

Here you see how a box with a 4 pixel rgb(229, 75, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 75, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 75, 80);  
box-shadow:4px 4px 4px 4px rgb(229, 75,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2771, 22.2694, 9.9758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 75, 80) }
```

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

```
.background{ background-color: rgb(229, 75,  
80) }
```

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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