

Converting Colors

XYZ(36.7411, 22.5291, 9.0687)

Have a look what the booklet for
XYZ(36.7411, 22.5291, 9.0687)
contains.

XYZ(36.7411, 22.5291, 9.0687)	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(36.7411, 22.5291,
9.0687)**

Conversions

Conversions Part 1

Format	Color
Hex	E74B4B
RGB	231, 75, 75
RGB Percent	91%, 29%, 29%
CMY	0.0941, 0.7058, 0.7059
CMYK	0.00, 0.68, 0.68, 0.09
HSL	0°, 76%, 60%
HSV	0°, 68%, 91%
XYZ	36.7411, 22.5291, 9.0687
YIQ	121.6440, 92.9760, 33.0720

Conversions

Conversions Part 2

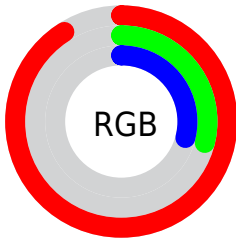
Format	Color
R_{YB}	231, 75, 75
Decimal	15158091
CIE Lab	54.58, 59.99, 34.35
CIE LCh	55, 69.129, 29.799
Yxy	22.5291, 0.5376, 0.3297
Android (android.graphics.Color)	4293348171 (0xFFE74B4B)
YUV	121.6440, -22.9955, 95.9052
Hunter-Lab	47.4648, 55.1080, 21.8973

Details

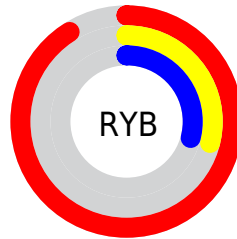
The XYZ color **36.7411, 22.5291, 9.0687** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **45.8985, 64.4115, 85.6144**, and the grayscale version is **18.4352, 19.3953, 21.1214**.

A 20% lighter version of the original color is **53.1294, 39.2178, 23.8383**, and **16.3958, 8.4238, 2.0581** is the 20% darker color. If you saturate the color by 10%, you get **34.7965, 19.6840, 5.2025**, and if you desaturate by 10%, it is **39.5421, 26.6283, 14.6359**.

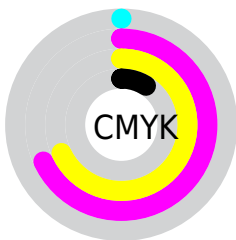
Distribution



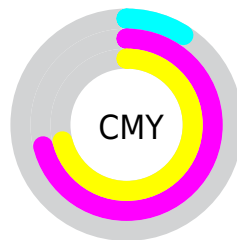
- Red (91%)
- Green (29%)
- Blue (29%)



- Red (91%)
- Yellow (29%)
- Blue (29%)



- Cyan (0%)
- Magenta (68%)
- Yellow (68%)
- Black (9%)





- Cyan (9%)
- Magenta (71%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7411, 22.5291, 9.0687 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 36.7411, 22.5291, 9.0687 by changing the saturation by 10% instead.

 36.7411, 22.5291,
9.0687


 36.7411, 22.5291,
9.0687

323.5633,
265.2970, 194.1265


 25.1799, 14.2462,
4.6886


 69.4908, 47.6189,
24.6083

 16.3405, 8.2921,
2.0102

 91.4100, 65.1947,
36.6048

 9.8578, 4.2824,
0.5615


 117.5126, 86.6368,
51.9772

 5.3663, 1.8328,
0.0000

 148.1639,
112.3297, 71.1440

 2.5007, 0.5075,
0.0000

 183.7292,
142.6578, 94.5238

 0.8956, 0.0000,
0.0000

224.5740,

 0.0000, 0.0000,

178.0054, 122.5352

0.0000

271.0636,
218.7570, 155.5965

■ 36.7411, 22.5291,
9.0687

■ 36.7411, 22.5291,
9.0687

■ 34.7965, 19.6840,
5.2025

■ 39.5421, 26.6283,
14.6359

■ 33.6089, 17.9462,
2.8421

■ 43.2809, 32.0995,
22.0684


■ 33.0481, 17.1254,
1.7274


■ 48.0315, 39.0510,
31.5122


■ 32.9550, 16.9891,
1.5423

■ 53.8599, 47.5796,
43.0987

■ 60.8265, 57.7736,
56.9480

 68.9873, 69.7151,
73.1715

 78.3945, 83.4806,
91.8730

 86.7648, 95.7288,
108.5123

Harmonies

Analogous

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



39.5771, 22.5291, 24.6773



36.7411, 22.5291, 9.0687



29.6269, 22.5291, 3.2360

Triad

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



36.7411, 22.5291, 9.0687



11.1133, 22.5291, 8.9385



21.3621, 22.5291, 94.5742

Complementary

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



36.7411, 22.5291, 9.0687



45.8985, 64.4115, 85.6144

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.



14.8780, 22.5291, 81.2986



36.7411, 22.5291, 9.0687



9.8823, 22.5291, 24.3840

Square

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



36.7411, 22.5291, 9.0687



14.9477, 22.5291, 3.1982



11.0802, 22.5291, 51.7209



29.5169, 22.5291, 81.6249

Rectangle

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



36.7411, 22.5291, 9.0687



24.1037, 22.5291, 2.1030



11.0802, 22.5291, 51.7209



18.9308, 22.5291, 92.9594

Sweetspot

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



36.7416, 22.5304, 9.0691



73.7327, 68.8069, 66.5217



49.8947, 27.7906, 78.3353



15.2457, 13.9430, 13.1726



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.



36.7416, 22.5304, 9.0691



42.8588, 23.6291, 5.1472



45.6161, 40.2793, 12.0272



14.3771, 14.3682, 14.9200



18.4752, 9.5245, 0.8647



1.3653, 0.7039, 0.0639

Inverse Universe

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



45.8985, 64.4115, 85.6144



55.0462, 79.3712, 107.0267



28.7167, 30.0479, 79.8872



14.8074, 16.3363, 18.5171



24.1041, 35.2702, 47.9206



1.7812, 2.6064, 3.5412

Previews

White Background



This preview shows how the XYZ color 36.7411, 22.5291, 9.0687 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 36.7411, 22.5291, 9.0687 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 36.7411, 22.5291, 9.0687

Background



This preview shows how black text looks on a background with the XYZ color 36.7411, 22.5291, 9.0687.



This preview shows how white text looks on a background with the XYZ color 36.7411, 22.5291,

9.0687.

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

36.7411, 22.5291, 9.0687

Protanopia

21.2121, 22.7398, 14.3376

Deuteranopia

23.0149, 22.6376, 8.3107



Tritanopia

36.7789, 22.4365, 9.5999

Trichromacy



Original Color

36.7411, 22.5291, 9.0687

Protanomaly

24.9014, 21.0721, 11.9874

Deuteranomaly

26.5816, 21.3842, 8.3568

Tritanomaly

36.7433, 22.4223, 9.4125

Monochromacy



Original Color

36.7411, 22.5291, 9.0687

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

22.5017, 18.8045, 15.8083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7411, 22.5291, 9.0687 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(231, 75, 75)` looks like.

```
.text, #text, p{  
    color:rgb(231, 75, 75)  
}
```

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(231, 75, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 75, 75) }
```

Border

The CSS property to change the border of an element to XYZ 36.7411, 22.5291, 9.0687 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(231, 75, 75) }
```


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

```
.border{ border-color:rgb(231, 75, 75) }
```

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

Here you see how a box with a 4 pixel rgb(231, 75, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 75, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 75, 75);  
box-shadow:4px 4px 4px 4px rgb(231, 75,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7411, 22.5291, 9.0687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 75, 75) }
```

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

```
.background{ background-color: rgb(231, 75,  
75) }
```

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