

Converting Colors

XYZ(36.8877, 22.5411, 8.9453)

Have a look what the booklet for
XYZ(36.8877, 22.5411, 8.9453)
contains.

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Color

**XYZ(36.9635, 22.5478,
8.8825)**

Conversions

Conversions Part 1

Format	Color
Hex	E84A4A
RGB	232, 74, 74
RGB Percent	91%, 29%, 29%
CMY	0.0902, 0.7098, 0.7098
CMYK	0.00, 0.68, 0.68, 0.09
HSL	0°, 77%, 60%
HSV	0°, 68%, 91%
XYZ	36.9635, 22.5478, 8.8825
YIQ	121.2420, 94.1680, 33.4960

Conversions

Conversions Part 2

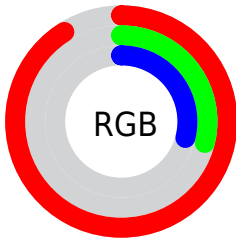
Format	Color
R_{YB}	232, 74, 74
Decimal	15223370
CIE _{Lab}	54.60, 60.64, 34.99
CIE _{LCh}	55, 70.008, 29.986
Yxy	22.5478, 0.5405, 0.3297
Android (android.graphics.Color)	4293413450 (0xFFE84A4A)
YUV	121.2420, -23.2903, 97.1348
Hunter-Lab	47.4845, 55.8523, 22.1483

Details

The XYZ color **36.9635, 22.5478, 8.8825** 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 **46.2429, 64.9890, 86.4502**, and the grayscale version is **18.3052, 19.2585, 20.9725**.

A 20% lighter version of the original color is **52.9315, 38.9227, 23.4619**, and **16.5965, 8.5288, 1.9998** is the 20% darker color. If you saturate the color by 10%, you get **35.0473, 19.7442, 5.0728**, and if you desaturate by 10%, it is **39.7396, 26.6106, 14.4002**.

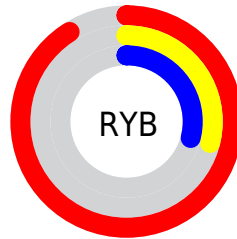
Distribution



Red (91%)

Green (29%)

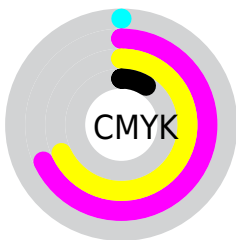
Blue (29%)



Red (91%)

Yellow (29%)

Blue (29%)

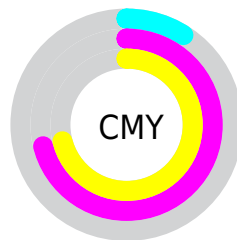


Cyan (0%)

Magenta (68%)

Yellow (68%)

Black (9%)



Cyan (9%)


Magenta (71%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9635, 22.5478, 8.8825 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 36.9635, 22.5478, 8.8825 by changing the saturation by 10% instead.

 36.9635, 22.5478,
8.8825


 36.9635, 22.5478,
8.8825


324.5107,
265.3938, 192.6846


 25.3528, 14.2600,
4.5689


 69.8308, 47.6497,
24.2453

 16.4702, 8.3017,
1.9423


 91.8182, 65.2326,
36.1315

 9.9504, 4.2886,
0.5195


 117.9951, 86.6827,
51.3790

 5.4281, 1.8363,
0.0000

 148.7269,
112.3842, 70.4064

 2.5379, 0.5096,
0.0000

 184.3791,
142.7218, 93.6320

 0.9144, 0.0000,
0.0000

225.3168,

 0.0000, 0.0000,

178.0796, 121.4746

0.0000

271.9056,
218.8421, 154.3526

■ 36.9635, 22.5478,
8.8825

■ 36.9635, 22.5478,
8.8825

■ 35.0473, 19.7442,
5.0728

■ 39.7396, 26.6106,
14.4002

■ 33.8895, 18.0499,
2.7715

■ 43.4586, 32.0527,
21.7932


■ 33.3505, 17.2612,
1.7003

■ 48.1957, 38.9845,
31.2102


■ 33.2786, 17.1560,
1.5575

■ 54.0180, 47.5042,
42.7846

■ 60.9868, 57.7016,
56.6385

 69.1590, 69.6598,
72.8846

 78.5877, 83.4564,
91.6286

 87.0885, 95.8957,
108.5274

Harmonies

Analogous

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



39.8845, 22.5478, 24.5608



36.9635, 22.5478, 8.8825



29.7131, 22.5478, 3.1060

Triad

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



36.9635, 22.5478, 8.8825



11.0058, 22.5478, 8.8736



21.4275, 22.5478, 95.9393

Complementary

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



36.9635, 22.5478, 8.8825



46.2429, 64.9890, 86.4502

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.



14.8515, 22.5478, 82.5262



36.9635, 22.5478, 8.8825



9.7823, 22.5478, 24.5406

Square

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



36.9635, 22.5478, 8.8825



14.8563, 22.5478, 3.1034



11.0035, 22.5478, 52.3892



29.7055, 22.5478, 82.5489

Rectangle

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



36.9635, 22.5478, 8.8825



24.1070, 22.5478, 2.0021



11.0035, 22.5478, 52.3892



18.9607, 22.5478, 94.3473

Sweetspot

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



36.9640, 22.5491, 8.8829



73.7327, 68.8070, 66.5217



50.2927, 27.8795, 79.0739



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.



36.9640, 22.5491, 8.8829



42.7048, 23.4037, 4.8410



45.9057, 40.4325, 11.8634



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.



46.2429, 64.9890, 86.4502



54.9278, 79.3098, 107.0211



28.7807, 30.0644, 80.6295



14.8074, 16.3363, 18.5171



24.1039, 35.2699, 47.9205



1.7812, 2.6064, 3.5412

Previews

White Background



This preview shows how the XYZ color 36.9635, 22.5478, 8.8825 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 36.9635, 22.5478, 8.8825 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 36.9635, 22.5478, 8.8825

Background



This preview shows how black text looks on a background with the XYZ color 36.9635, 22.5478, 8.8825.



This preview shows how white text looks on a background with the XYZ color 36.9635, 22.5478,

8.8825.

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

36.9635, 22.5478, 8.8825

Protanopia

21.1664, 22.7215, 14.0966

Deuteranopia

22.9857, 22.6260, 8.1568



Tritanopia

37.0008, 22.4567, 9.4056

Trichromacy



Original Color

36.9635, 22.5478, 8.8825

Protanomaly

24.7518, 20.8387, 11.7345

Deuteranomaly

26.6909, 21.2902, 8.1715

Tritanomaly

36.9658, 22.4427, 9.2210

Monochromacy



Original Color

36.9635, 22.5478, 8.8825

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

22.1469, 18.4772, 15.4959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9635, 22.5478, 8.8825 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(232, 74, 74)` looks like.

```
.text, #text, p{  
    color:rgb(232, 74, 74)  
}
```

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(232, 74, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 74, 74) }
```

Border

The CSS property to change the border of an element to XYZ 36.9635, 22.5478, 8.8825 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(232, 74, 74) }
```


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

```
.border{ border-color:rgb(232, 74, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 74, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 74, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 74, 74);  
box-shadow:4px 4px 4px 4px rgb(232, 74,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9635, 22.5478, 8.8825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 74, 74) }
```

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

```
.background{ background-color: rgb(232, 74,  
74) }
```

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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