

Converting Colors

XYZ(36.9859, 21.3787, 9.1121)

Have a look what the booklet for
XYZ(36.9859, 21.3787, 9.1121)
contains.

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Color

**XYZ(36.9400, 21.3657,
9.1982)**

Conversions

Conversions Part 1

Format	Color
Hex	EA3D4D
RGB	234, 61, 77
RGB Percent	92%, 24%, 30%
CMY	0.0824, 0.7607, 0.6980
CMYK	0.00, 0.74, 0.67, 0.08
HSL	354°, 80%, 58%
HSV	354°, 74%, 92%
XYZ	36.9400, 21.3657, 9.1982
YIQ	114.5510, 97.9720, 41.6520

Conversions

Conversions Part 2

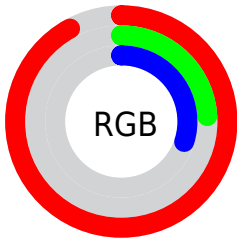
Format	Color
RYB	234, 61, 77
Decimal	15351117
CIELab	53.35, 65.97, 31.81
CIELCh	53, 73.241, 25.740
Yxy	21.3657, 0.5472, 0.3165
Android (android.graphics.Color)	4293541197 (0xFFEA3D4D)
YUV	114.5510, -18.5126, 104.7568
Hunter-Lab	46.2230, 61.7612, 20.5577

Details

The XYZ color **36.9400, 21.3657, 9.1982** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **44.0043, 64.9004, 76.5452**, and the grayscale version is **16.1948, 17.0382, 18.5545**.

A 20% lighter version of the original color is **51.8433, 36.4411, 24.0401**, and **17.0691, 8.7677, 2.2315** is the 20% darker color. If you saturate the color by 10%, you get **35.3203, 19.1371, 5.5433**, and if you desaturate by 10%, it is **39.3498, 24.7835, 14.3239**.

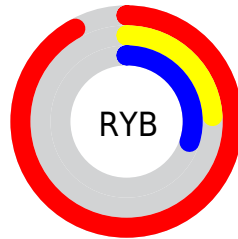
Distribution



Red (92%)

Green (24%)

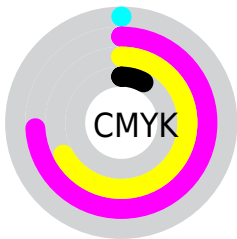
Blue (30%)



Red (92%)

Yellow (24%)

Blue (30%)

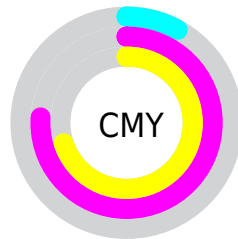


Cyan (0%)

Magenta (74%)

Yellow (67%)

Black (8%)



Cyan (8%)


Magenta (76%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9400, 21.3657, 9.1982 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 36.9400, 21.3657, 9.1982 by changing the saturation by 10% instead.

 36.9400, 21.3657,
9.1982


 36.9400, 21.3657,
9.1982


324.4107,
259.2156, 195.1218


 25.3345, 13.3916,
4.7721


 69.7949, 45.6954,
24.8599

 16.4565, 7.6987,
2.0578


 91.7751, 62.8197,
36.9325


 9.9407, 3.9028,
0.5905


 117.9441, 83.7629,
52.3911

 5.4216, 1.6193,
0.0000

 148.6675,
108.9094, 71.6541

 2.5340, 0.3706,
0.0000

 184.3104,
138.6435, 95.1402

 0.9124, 0.0000,
0.0000

225.2384,

 0.0000, 0.0000,

173.3496, 123.2678

0.0000

271.8167,
213.4122, 156.4555

■ 36.9400, 21.3657,
9.1982

■ 36.9400, 21.3657,
9.1982

■ 35.3203, 19.1371,
5.5433

■ 39.3498, 24.7835,
14.3239

■ 34.3878, 17.9307,
3.2020


■ 42.6327, 29.5212,
21.0539


■ 34.0728, 17.5488,
2.3318


■ 46.8627, 35.6965,
29.5073


■ 52.1055, 43.4129,
39.7921

■ 58.4210, 52.7646,
52.0071

 65.8643, 63.8380,
66.2442

 74.4869, 76.7135,
82.5892

 84.3369, 91.4666,
101.1232

 87.7415, 96.2323,
108.5580

Harmonies

Analogous

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



39.1277, 21.3657, 26.5857



36.9400, 21.3657, 9.1982



29.9233, 21.3657, 2.7997

Triad

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



36.9400, 21.3657, 9.1982



10.2997, 21.3657, 6.5421



19.2188, 21.3657, 97.2443

Complementary

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



36.9400, 21.3657, 9.1982



44.0043, 64.9004, 76.5452

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.



13.0099, 21.3657, 79.5058



36.9400, 21.3657, 9.1982



8.7623, 21.3657, 20.2305

Square

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



36.9400, 21.3657, 9.1982



14.4899, 21.3657, 2.0948



9.6105, 21.3657, 47.2079



27.5048, 21.3657, 86.9303

Rectangle

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



36.9400, 21.3657, 9.1982



24.2107, 21.3657, 1.5604



9.6105, 21.3657, 47.2079



16.8480, 21.3657, 94.1658

Sweetspot

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



36.9405, 21.3670, 9.1985



72.5497, 66.4246, 66.1776



45.0470, 23.9852, 80.0969



15.0380, 13.4891, 13.2218



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.



36.9405, 21.3670, 9.1985



42.2114, 22.3148, 4.9910



42.7844, 33.8498, 8.6953



15.1220, 15.0767, 15.9278



19.1669, 9.8694, 1.4142



1.5244, 0.7827, 0.2129

Inverse Universe

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



36.9405, 21.3670, 9.1985



42.2114, 22.3148, 4.9910



30.1964, 33.7728, 82.7688



15.1220, 15.0767, 15.9278



19.1669, 9.8694, 1.4142



1.5244, 0.7827, 0.2129

Previews

White Background



This preview shows how the XYZ color 36.9400, 21.3657, 9.1982 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 36.9400, 21.3657, 9.1982 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 36.9400, 21.3657, 9.1982

Background



This preview shows how black text looks on a background with the XYZ color 36.9400, 21.3657, 9.1982.



This preview shows how white text looks on a background with the XYZ color 36.9400, 21.3657,

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

36.9400, 21.3657, 9.1982

Protanopia

20.3207, 21.6519, 15.9402

Deuteranopia

21.9075, 21.5045, 8.4650



Tritanopia

36.6926, 21.4408, 7.3588

Trichromacy



Original Color

36.9400, 21.3657, 9.1982

Protanomaly

23.9840, 19.4794, 13.0855

Deuteranomaly

25.7021, 19.8836, 8.4445

Tritanomaly

36.7598, 21.3799, 7.9836

Monochromacy



Original Color

36.9400, 21.3657, 9.1982

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

20.5417, 16.3931, 14.3934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9400, 21.3657, 9.1982 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(234, 61, 77)` looks like.

```
.text, #text, p{  
    color:rgb(234, 61, 77)  
}
```

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(234, 61, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 61, 77) }
```

Border

The CSS property to change the border of an element to XYZ 36.9400, 21.3657, 9.1982 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(234, 61, 77) }
```


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

```
.border{ border-color:rgb(234, 61, 77) }
```

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

Here you see how a box with a 4 pixel rgb(234, 61, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 61, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 61, 77);  
box-shadow:4px 4px 4px 4px rgb(234, 61,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9400, 21.3657, 9.1982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 61, 77) }
```

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

```
.background{ background-color: rgb(234, 61,  
77) }
```

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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