

Converting Colors

XYZ(34.5750, 18.2360, 4.1271)

Have a look what the booklet for
XYZ(34.5750, 18.2360, 4.1271)
contains.

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Color

**XYZ(34.6927, 18.2871,
4.0841)**

Conversions

Conversions Part 1

Format	Color
Hex	EA172C
RGB	234, 23, 44
RGB Percent	92%, 9%, 17%
CMY	0.0824, 0.9097, 0.8275
CMYK	0.00, 0.90, 0.81, 0.08
HSL	354°, 83%, 50%
HSV	354°, 90%, 92%
XYZ	34.6927, 18.2871, 4.0841
YIQ	88.4830, 119.0150, 51.2630

Conversions

Conversions Part 2

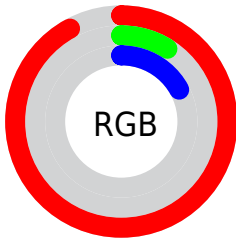
Format	Color
RYB	234, 23, 44
Decimal	15341356
CIELab	49.84, 73.53, 46.57
CIElCh	50, 87.035, 32.351
Yxy	18.2871, 0.6080, 0.3205
Android (android.graphics.Color)	4293531436 (0xFFEA172C)
YUV	88.4830, -21.9301, 127.6184
Hunter-Lab	42.7634, 69.9758, 24.2719

Details

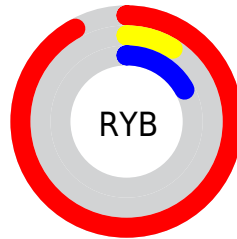
The XYZ color **34.6927, 18.2871, 4.0841** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **41.7911, 63.8335, 73.0909**, and the grayscale version is **9.4136, 9.9039, 10.7853**.

A 20% lighter version of the original color is **47.4960, 30.7507, 13.3297**, and **16.3622, 8.4350, 0.7657** is the 20% darker color. If you saturate the color by 10%, you get **34.0886, 17.5552, 2.4159**, and if you desaturate by 10%, it is **35.8817, 19.8628, 6.9551**.

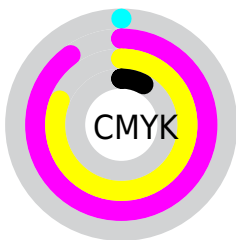
Distribution



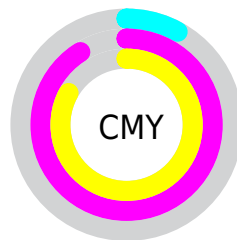
- Red (92%)
- Green (9%)
- Blue (17%)



- Red (92%)
- Yellow (9%)
- Blue (17%)



- Cyan (0%)
- Magenta (90%)
- Yellow (81%)
- Black (8%)





- Cyan (8%)
- Magenta (91%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6927, 18.2871, 4.0841 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 34.6927, 18.2871, 4.0841 by changing the saturation by 10% instead.


 34.6927, 18.2871,
4.0841


 34.6927, 18.2871,
4.0841


314.7417,
242.4843, 149.1556


 23.5917, 11.1563,
1.6716


 66.3466, 40.5259,
14.2033


 15.1541, 6.1721,
0.3412


 87.6302, 56.4028,
22.7470


 9.0146, 2.9500,
0.0000


 113.0386, 75.9637,
34.1715

 4.8079, 1.1057,
0.0000

 142.9373, 99.5932,
48.8955

 2.1686, 0.0000,
0.0000

 177.6916,
127.6756, 67.3373

 0.7261, 0.0000,
0.0000

 217.6669,

 0.0000, 0.0000,

160.5953, 89.9156

0.0000

263.2284,
198.7368, 117.0488

■ 34.6927, 18.2871,
4.0841

■ 34.6927, 18.2871,
4.0841

■ 34.0886, 17.5552,
2.4159

■ 35.8817, 19.8628,
6.9551

■ 37.7969, 22.5261,
11.1914

■ 40.5319, 26.4282,
16.9365

■ 44.1659, 31.6959,
24.3150

■ 48.7689, 38.4399,
33.4389

■ 54.4036, 46.7599,
44.4101

■ 61.1277, 56.7466,
57.3225

■ 68.9944, 68.4841,
72.2639

■ 78.0536, 82.0505,
89.3164

Harmonies

Analogous

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



38.7551, 18.2871, 18.0915



34.6927, 18.2871, 4.0841



25.9084, 18.2871, 0.6180

Triad

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



34.6927, 18.2871, 4.0841



6.7158, 18.2871, 5.3235



18.0456, 18.2871, 109.6750

Complementary

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



34.6927, 18.2871, 4.0841



41.7911, 63.8335, 73.0909

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.



10.9665, 18.2871, 94.2675



34.6927, 18.2871, 4.0841



5.7993, 18.2871, 21.8498

Square

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



34.6927, 18.2871, 4.0841



10.1518, 18.2871, 0.8675



7.0698, 18.2871, 55.8468



27.4193, 18.2871, 89.0696

Rectangle

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



34.6927, 18.2871, 4.0841



19.5980, 18.2871, 0.0000



7.0698, 18.2871, 55.8468



15.3385, 18.2871, 108.5282

Sweetspot

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



34.6931, 18.2883, 4.0844



68.4553, 60.2910, 58.4771



42.5705, 20.6862, 79.5904



14.0888, 12.0695, 11.4293



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.



34.6931, 18.2883, 4.0844



41.4192, 21.3317, 2.8736



39.3880, 28.1574, 4.1713



15.1263, 15.0784, 15.9503



19.1769, 9.8735, 1.4670



1.5264, 0.7835, 0.2236

Inverse Universe

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



34.6931, 18.2883, 4.0844



41.4192, 21.3317, 2.8736



26.0500, 27.8124, 81.8366



15.1263, 15.0784, 15.9503



19.1769, 9.8735, 1.4670



1.5264, 0.7835, 0.2236

Previews

White Background



This preview shows how the XYZ color 34.6927, 18.2871, 4.0841 looks on a white 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

Black Background



This preview shows how the XYZ color 34.6927, 18.2871, 4.0841 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 34.6927, 18.2871, 4.0841

Background



This preview shows how black text looks on a background with the XYZ color 34.6927, 18.2871, 4.0841.



This preview shows how white text looks on a background with the XYZ color 34.6927, 18.2871,

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

34.6927, 18.2871, 4.0841

Protanopia

17.1199, 18.6756, 8.1713

Deuteranopia

18.8431, 18.4598, 3.4897



Tritanopia

34.4918, 18.3809, 2.4890

Trichromacy



Original Color

34.6927, 18.2871, 4.0841

Protanomaly

20.1864, 15.1376, 5.9956

Deuteranomaly

22.1854, 15.6654, 3.2209

Tritanomaly

34.5354, 18.3250, 2.9451

Monochromacy



Original Color

34.6927, 18.2871, 4.0841

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

14.2482, 10.0124, 7.4850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6927, 18.2871, 4.0841 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, 23, 44)` looks like.

```
.text, #text, p{  
    color:rgb(234, 23, 44)  
}
```

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, 23, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 23, 44) }
```

Border

The CSS property to change the border of an element to XYZ 34.6927, 18.2871, 4.0841 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, 23, 44) }
```


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

```
.border{ border-color:rgb(234, 23, 44) }
```

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

Here you see how a box with a 4 pixel rgb(234, 23, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 23, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 23, 44);  
box-shadow:4px 4px 4px 4px rgb(234, 23,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6927, 18.2871, 4.0841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 23, 44) }
```

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

```
.background{ background-color: rgb(234, 23,  
44) }
```

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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