

Converting Colors

XYZ(34.2570, 17.6612, 3.2546)

Have a look what the booklet for
XYZ(34.2570, 17.6612, 3.2546)
contains.

XYZ(34.2718, 17.6632, 3.2721)	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>	30

Color

**XYZ(34.2718, 17.6632,
3.2721)**

Conversions

Conversions Part 1

Format	Color
Hex	EA0224
RGB	234, 2, 36
RGB Percent	92%, 1%, 14%
CMY	0.0824, 0.9919, 0.8588
CMYK	0.00, 0.99, 0.85, 0.08
HSL	351°, 98%, 46%
HSV	351°, 99%, 92%
XYZ	34.2718, 17.6632, 3.2721
YIQ	75.2440, 127.3580, 59.7580

Conversions

Conversions Part 2

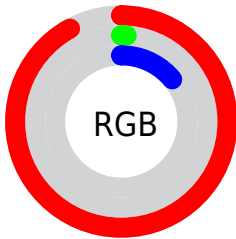
Format	Color
RYB	234, 2, 36
Decimal	15335972
CIELab	49.09, 75.34, 50.04
CIELCh	49, 90.442, 33.589
Yxy	17.6632, 0.6208, 0.3199
Android (android.graphics.Color)	4293526052 (0xFFEA0224)
YUV	75.2440, -19.3473, 139.2290
Hunter-Lab	42.0276, 72.0111, 24.8032

Details

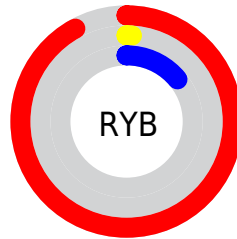
The XYZ color **34.2718, 17.6632, 3.2721** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **39.8803, 63.0312, 64.7427**, and the grayscale version is **6.7554, 7.1072, 7.7397**.

A 20% lighter version of the original color is **46.7157, 29.7132, 11.4567**, and **16.1484, 8.3248, 0.7557** is the 20% darker color. If you saturate the color by 10%, you get **34.2236, 17.6092, 3.1270**, and if you desaturate by 10%, it is **35.0021, 18.4926, 5.4629**.

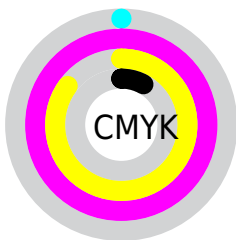
Distribution



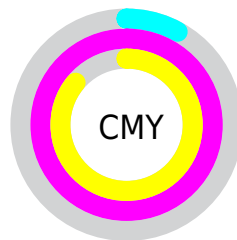
- Red (92%)
- Green (1%)
- Blue (14%)



- Red (92%)
- Yellow (1%)
- Blue (14%)



- Cyan (0%)
- Magenta (99%)
- Yellow (85%)
- Black (8%)





- Cyan (8%)
- Magenta (99%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2718, 17.6632, 3.2721 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 34.2718, 17.6632, 3.2721 by changing the saturation by 10% instead.


 34.2718, 17.6632,
3.2721


 34.2718, 17.6632,
3.2721


312.9069,
238.9658, 139.7542


 23.2664, 10.7085,
1.2352


 65.6976, 39.4626,
12.2928


 14.9121, 5.8711,
0.0078


 86.8487, 55.0760,
20.1137

 8.8436, 2.7669,
0.0000


 112.1123, 74.3445,
30.6996

 4.6956, 1.0113,
0.0000

 141.8539, 97.6523,
44.4691

 2.1027, 0.0000,
0.0000

 176.4389,
125.3840, 61.8408


 0.6907, 0.0000,
0.0000


 216.2324,


 0.0000, 0.0000,


157.9238, 83.2332


0.0000


 261.6000,
195.6563, 109.0648


 34.2718, 17.6632,
3.2721


 34.2718, 17.6632,
3.2721


 34.2236, 17.6092,
3.1270

 35.0021, 18.4926,
5.4629

 36.3266, 20.1982,
8.8127

 38.3734, 23.0036,
13.4664

 41.2299, 27.0544,
19.5424

 44.9704, 32.4738,
27.1452

■ 49.6610, 39.3701,
36.3695

■ 55.3614, 47.8408,
47.3023

■ 62.1261, 57.9750,
60.0242

■ 70.0059, 69.8552,
74.6109

Harmonies

Analogous

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



38.7668, 17.6632, 16.4656



34.2718, 17.6632, 3.2721



25.0958, 17.6632, 0.2536

Triad

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



34.2718, 17.6632, 3.2721



6.0408, 17.6632, 5.0772



17.8254, 17.6632, 112.9839

Complementary

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



34.2718, 17.6632, 3.2721



39.8803, 63.0312, 64.7427

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.



10.5522, 17.6632, 98.1772



34.2718, 17.6632, 3.2721



5.2381, 17.6632, 22.2926

Square

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



34.2718, 17.6632, 3.2721



9.3124, 17.6632, 0.6494



6.5698, 17.6632, 58.1342



27.4685, 17.6632, 89.7973

Rectangle

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



34.2718, 17.6632, 3.2721



18.6674, 17.6632, 0.0000



6.5698, 17.6632, 58.1342



15.0398, 17.6632, 112.3353

Sweetspot

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



34.2722, 17.6643, 3.2723



66.5210, 57.0045, 56.0376



38.4819, 18.1557, 79.3174



13.5889, 11.2348, 10.7538



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.



34.2722, 17.6643, 3.2723



41.5789, 21.3956, 3.7148



37.0541, 23.7197, 2.6845



15.1553, 15.0900, 16.1030



19.2598, 9.9066, 1.9036



1.5402, 0.7890, 0.2962

Inverse Universe

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



34.2722, 17.6643, 3.2723



41.5789, 21.3956, 3.7148



26.2387, 28.6773, 81.9936



15.1553, 15.0900, 16.1030



19.2598, 9.9066, 1.9036



1.5402, 0.7890, 0.2962

Previews

White Background



This preview shows how the XYZ color 34.2718, 17.6632, 3.2721 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 34.2718, 17.6632, 3.2721 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 34.2718, 17.6632, 3.2721

Background



This preview shows how black text looks on a background with the XYZ color 34.2718, 17.6632, 3.2721.



This preview shows how white text looks on a background with the XYZ color 34.2718, 17.6632,

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

34.2718, 17.6632, 3.2721

Protanopia

16.6279, 18.0979, 6.7545

Deuteranopia

18.3718, 18.0724, 2.5200

Trichromacy



Original Color

34.2718, 17.6632, 3.2721

Protanomaly

19.3304, 13.7327, 4.7638

Deuteranomaly

21.4461, 14.4875, 2.0468

Monochromacy



Original Color

34.2718, 17.6632, 3.2721

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

11.5721, 7.4374, 5.2405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2718, 17.6632, 3.2721 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, 2, 36)` looks like.

```
.text, #text, p{  
    color:rgb(234, 2, 36)  
}
```

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, 2, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 2, 36) }
```

Border

The CSS property to change the border of an element to XYZ 34.2718, 17.6632, 3.2721 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, 2, 36) }
```

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

```
.border{ border-color:rgb(234, 2, 36) }
```

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

Here you see how a box with a 4 pixel rgb(234, 2, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 2, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 2, 36);  
box-shadow:4px 4px 4px 4px rgb(234, 2, 36)  
}
```


Background

The CSS property to change the background color of an element to XYZ 34.2718, 17.6632, 3.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 2, 36) }
```

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

```
.background{ background-color: rgb(234, 2,  
36) }
```

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