

Converting Colors

XYZ(34.2664, 17.6644, 1.6322)

Have a look what the booklet for
XYZ(34.2664, 17.6644, 1.6322)
contains.

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Color

**XYZ(34.2664, 17.6644,
1.6322)**

Conversions

Conversions Part 1

Format	Color
Hex	EB0001
RGB	235, 0, 1
RGB Percent	92%, 0%, 0%
CMY	0.0784, 0.9998, 0.9961
CMYK	0.00, 1.00, 1.00, 0.08
HSL	360°, 100%, 46%
HSV	360°, 100%, 92%
XYZ	34.2664, 17.6644, 1.6322
YIQ	70.3790, 139.7390, 50.1310

Conversions

Conversions Part 2

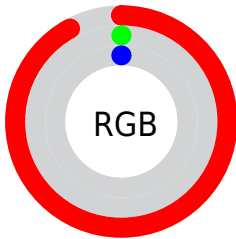
Format	Color
R_{YB}	235, 0, 1
Decimal	15400961
CIE _{Lab}	49.09, 75.32, 62.90
CIE _{LCh}	49, 98.129, 39.869
Yxy	17.6644, 0.6397, 0.3298
Android (android.graphics.Color)	4293591041 (0xFFEB0001)
YUV	70.3790, -34.2038, 144.3726
Hunter-Lab	42.0290, 71.9808, 27.1178

Details

The XYZ color **34.2664, 17.6644, 1.6322** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **44.5690, 65.3606, 88.1556**, and the grayscale version is **5.9295, 6.2383, 6.7935**.

A 20% lighter version of the original color is **45.8057, 29.2097, 7.0947**, and **16.1484, 8.3248, 0.7557** is the 20% darker color. If you saturate the color by 10%, you get **34.2657, 17.6640, 1.6304**, and if you desaturate by 10%, it is **34.7474, 18.3650, 2.5999**.

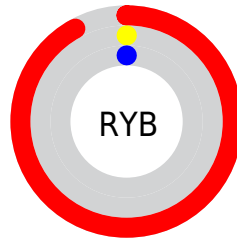
Distribution



Red (92%)

Green (0%)

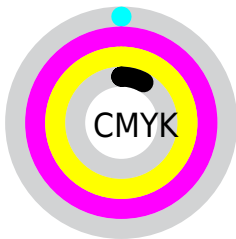
Blue (0%)



Red (92%)

Yellow (0%)

Blue (0%)

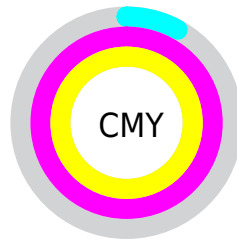


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2664, 17.6644, 1.6322 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 34.2664, 17.6644, 1.6322 by changing the saturation by 10% instead.


 34.2664, 17.6644,
1.6322


 34.2664, 17.6644,
1.6322


 312.8833,
238.9726, 116.3755


 23.2622, 10.7093,
0.3136


 65.6893, 39.4646,
8.0084


 14.9090, 5.8717,
0.0000


 86.8386, 55.0786,
14.0386

 8.8414, 2.7672,
0.0000


 112.1004, 74.3476,
22.5214

 4.6942, 1.0115,
0.0000

 141.8400, 97.6561,
33.8755

 2.1019, 0.0000,
0.0000

 176.4228,
125.3884, 48.5195


 0.6902, 0.0000,
0.0000


 216.2140,


 0.0000, 0.0000,


157.9290, 66.8718


0.0000


 261.5791,
195.6623, 89.3509


 34.2664, 17.6644,
1.6322


 34.2664, 17.6644,
1.6322


 34.2657, 17.6640,
1.6304

 34.7474, 18.3650,
2.5999

 35.8093, 19.9119,
4.7320

 37.6305, 22.5707,
8.3712

 40.3174, 26.4979,
13.7268

 43.9594, 31.8247,
20.9749

■ 48.6349, 38.6662,
30.2700

■ 54.4141, 47.1254,
41.7505

■ 61.3610, 57.2965,
55.5431

■ 69.5349, 69.2662,
71.7644

Harmonies

Analogous

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



40.8151, 17.6644, 11.8169



34.2664, 17.6644, 1.6322



23.6122, 17.6644, 0.0000

Triad

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



34.2664, 17.6644, 1.6322



5.0856, 17.6644, 6.5701



19.9938, 17.6644, 124.0671

Complementary

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



34.2664, 17.6644, 1.6322



44.5690, 65.3606, 88.1556

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.



11.4266, 17.6644, 116.1477



34.2664, 17.6644, 1.6322



4.7266, 17.6644, 29.2425

Square

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



34.2664, 17.6644, 1.6322



7.8388, 17.6644, 0.6513



6.5728, 17.6644, 73.0964



30.8048, 17.6644, 89.7650

Rectangle

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



34.2664, 17.6644, 1.6322



16.8298, 17.6644, 0.0000



6.5728, 17.6644, 73.0964



16.7493, 17.6644, 126.6720

Sweetspot

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



34.2668, 17.6655, 1.6324



65.3770, 56.5469, 50.0134



47.9778, 23.0023, 80.5076



13.3290, 11.1308, 9.3854



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.



34.2668, 17.6655, 1.6324



41.2456, 21.2622, 1.9593



40.2350, 29.6101, 3.5965



15.0680, 15.0550, 15.6432



19.0717, 9.8314, 0.9132



1.4984, 0.7723, 0.0762

Inverse Universe

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



34.2668, 17.6655, 1.6324



41.2456, 21.2622, 1.9593



21.8878, 19.7820, 81.2612



15.0680, 15.0550, 15.6432



19.0717, 9.8314, 0.9132



1.4984, 0.7723, 0.0762

Previews

White Background



This preview shows how the XYZ color 34.2664, 17.6644, 1.6322 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 34.2664, 17.6644, 1.6322 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 34.2664, 17.6644, 1.6322

Background



This preview shows how black text looks on a background with the XYZ color 34.2664, 17.6644, 1.6322.



This preview shows how white text looks on a background with the XYZ color 34.2664, 17.6644,

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

34.2664, 17.6644, 1.6322

Protanopia

16.5040, 18.2739, 3.8857

Deuteranopia

18.2996, 18.1998, 2.5484



Tritanopia

33.8912, 17.8975, 1.6683

Trichromacy



Original Color

34.2664, 17.6644, 1.6322

Protanomaly

19.2795, 13.7619, 2.2563

Deuteranomaly

21.1398, 14.3380, 1.6533

Tritanomaly

34.0887, 17.8065, 1.6403

Monochromacy



Original Color

34.2664, 17.6644, 1.6322

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

10.6180, 6.8121, 3.2379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2664, 17.6644, 1.6322 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(235, 0, 1)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 1)  
}
```

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(235, 0, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 1) }
```

Border

The CSS property to change the border of an element to XYZ 34.2664, 17.6644, 1.6322 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(235, 0, 1) }
```


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

```
.border{ border-color:rgb(235, 0, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 0, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(235, 0, 1); box-shadow:4px  
4px 4px 4px rgb(235, 0, 1) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2664, 17.6644, 1.6322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 1) }
```

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

```
.background{ background-color: rgb(235, 0,  
1) }
```

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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