

# Converting Colors

XYZ(35.6024, 20.7859, 7.4593)

Have a look what the booklet for  
XYZ(35.6024, 20.7859, 7.4593)  
contains.

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# Color

**XYZ(35.6907, 20.8394,  
7.4515)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E73E43
RGB	231, 62, 67
RGB Percent	91%, 24%, 26%
CMY	0.0941, 0.7568, 0.7373
CMYK	0.00, 0.73, 0.71, 0.09
HSL	358°, 78%, 57%
HSV	358°, 73%, 91%
XYZ	35.6907, 20.8394, 7.4515
YIQ	113.1010, 99.1190, 37.3830

# Conversions

## Conversions Part 2

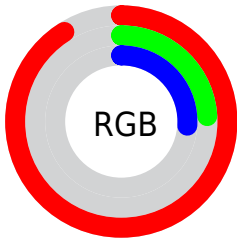
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 62, 67
Decimal	15154755
CIE <sub>Lab</sub>	52.77, 64.29, 36.77
CIE <sub>LCh</sub>	53, 74.059, 29.766
Yxy	20.8394, 0.5578, 0.3257
Android (android.graphics.Color)	4293344835 (0xFFE73E43)
YUV	113.1010, -22.7278, 103.3974
Hunter-Lab	45.6502, 59.6689, 22.2772

# Details

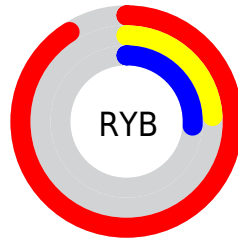
The XYZ color **35.6907, 20.8394, 7.4515** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **44.2920, 63.6675, 81.9139**, and the grayscale version is **15.7722, 16.5936, 18.0704**.

A 20% lighter version of the original color is **51.1719, 36.1725, 20.5046**, and **16.0910, 8.2774, 1.5602** is the 20% darker color. If you saturate the color by 10%, you get **34.1430, 18.6203, 4.2353**, and if you desaturate by 10%, it is **38.0329, 24.2318, 12.2163**.

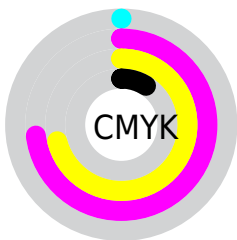
# Distribution



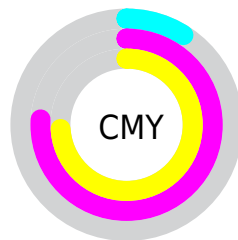
- Red (91%)
- Green (24%)
- Blue (26%)



- Red (91%)
- Yellow (24%)
- Blue (26%)



- Cyan (0%)
- Magenta (73%)
- Yellow (71%)
- Black (9%)




- Cyan (9%)
- Magenta (76%)
- Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6907, 20.8394, 7.4515 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 35.6907, 20.8394, 7.4515 by changing the saturation by 10% instead.




 35.6907, 20.8394,  
7.4515


 35.6907, 20.8394,  
7.4515


319.0615,  
256.4238, 181.1351


 24.3644, 13.0067,  
3.6633

 67.8814, 44.8201,  
21.4041


 15.7304, 7.4331,  
1.4425


 89.4765, 61.7368,  
32.4055

 9.4232, 3.7344,  
0.1746


 115.2253, 82.4504,  
46.6485

 5.0775, 1.5261,  
0.0000

 145.4931,  
107.3451, 64.5516

 2.3281, 0.3070,  
0.0000

 180.6453,  
136.8054, 86.5332

 0.8090, 0.0000,  
0.0000

221.0471,

 0.0000, 0.0000,

171.2157, 113.0120

0.0000

267.0641,  
210.9603, 144.4065

■ 35.6907, 20.8394,  
7.4515

■ 35.6907, 20.8394,  
7.4515

■ 34.1430, 18.6203,  
4.2353

■ 38.0329, 24.2318,  
12.2163

■ 33.2837, 17.4124,  
2.3741


■ 41.2553, 28.9250,  
18.6903


■ 32.9921, 17.0037,  
1.7390

■ 45.4339, 35.0337,  
27.0151

■ 50.6364, 42.6594,  
37.3173

■ 56.9241, 51.8941,  
49.7124

 64.3536, 62.8224,  
64.3069

 72.9776, 75.5232,  
81.2002

 82.8455, 90.0702,  
100.4855

 86.7647, 95.7288,  
108.5123

# Harmonies

## Analogous

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



38.6702, 20.8394, 22.8646



35.6907, 20.8394, 7.4515



28.2622, 20.8394, 2.2141

# Triad

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



35.6907, 20.8394, 7.4515



9.5504, 20.8394, 7.3093



19.7467, 20.8394, 97.2891

# Complementary

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



35.6907, 20.8394, 7.4515



44.2920, 63.6675, 81.9139

# 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.



13.2330, 20.8394, 82.8110



35.6907, 20.8394, 7.4515



8.3619, 20.8394, 22.5174

# Square

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



35.6907, 20.8394, 7.4515



13.3134, 20.8394, 2.1775



9.5132, 20.8394, 51.0197



28.1293, 20.8394, 83.2231



# Rectangle

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



35.6907, 20.8394, 7.4515



22.5636, 20.8394, 1.2985



9.5132, 20.8394, 51.0197



17.2850, 20.8394, 95.5157

# Sweetspot

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



35.6912, 20.8406, 7.4518



72.1309, 66.2570, 63.9721



47.3127, 25.2826, 77.9871



14.9415, 13.4505, 12.7137



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.



35.6912, 20.8406, 7.4518



42.0571, 22.3542, 3.8669



43.3307, 36.3490, 9.2915



14.3942, 14.3748, 15.0100



18.5039, 9.5358, 1.0166



1.3735, 0.7071, 0.1073



# Inverse Universe

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



35.6912, 20.8406, 7.4518



42.0571, 22.3542, 3.8669



27.6618, 29.2955, 79.7974



14.3942, 14.3748, 15.0100



18.5039, 9.5358, 1.0166



1.3735, 0.7071, 0.1073



# Previews

## White Background



This preview shows how the XYZ color 35.6907, 20.8394, 7.4515 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 35.6907, 20.8394, 7.4515 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 35.6907, 20.8394, 7.4515**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.6907, 20.8394, 7.4515.



This preview shows how white text looks on a background with the XYZ color 35.6907, 20.8394,



# 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

35.6907, 20.8394, 7.4515

### Protanopia

19.4597, 20.8941, 12.6802

### Deuteranopia

21.3596, 20.8964, 6.7785



## Tritanopia

35.6318, 20.8158, 7.1409

# Trichromacy



## Original Color

35.6907, 20.8394, 7.4515

## Protanomaly

23.1678, 18.9676, 10.4227

## Deuteranomaly

25.0713, 19.4509, 6.8479

## Tritanomaly

35.6610, 20.8275, 7.2948

# Monochromacy



## Original Color

35.6907, 20.8394, 7.4515

## Achromatopsia

15.6958, 16.5132, 17.9829

## Achromatomaly

19.8243, 15.9179, 13.0939

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.6907, 20.8394, 7.4515 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(231, 62, 67)` looks like.

```
.text, #text, p{  
    color:rgb(231, 62, 67)  
}
```

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(231, 62, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 62, 67) }
```

## Border

The CSS property to change the border of an element to XYZ 35.6907, 20.8394, 7.4515 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(231, 62, 67) }
```



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

```
.border{ border-color:rgb(231, 62, 67) }
```

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

Here you see how a box with a 4 pixel rgb(231, 62, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 62, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 62, 67);  
box-shadow:4px 4px 4px 4px rgb(231, 62,  
67) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.6907, 20.8394, 7.4515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 62, 67) }
```

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

```
.background{ background-color: rgb(231, 62,  
67) }
```

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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