

# Converting Colors

XYZ(34.4231, 20.2565, 4.1030)

Have a look what the booklet for  
XYZ(34.4231, 20.2565, 4.1030)  
contains.

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# Color

**XYZ(34.4187, 20.2565,  
4.1033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E53E28
RGB	229, 62, 40
RGB Percent	90%, 24%, 16%
CMY	0.1020, 0.7568, 0.8431
CMYK	0.00, 0.73, 0.83, 0.10
HSL	7°, 78%, 53%
HSV	7°, 83%, 90%
XYZ	34.4187, 20.2565, 4.1033
YIQ	109.4250, 106.5940, 28.5620

# Conversions

## Conversions Part 2

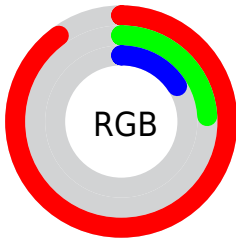
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 65, 40
Decimal	15023656
CIE <sub>Lab</sub>	52.13, 62.74, 50.41
CIE <sub>LCh</sub>	52, 80.480, 38.778
Yxy	20.2565, 0.5856, 0.3446
Android (android.graphics.Color)	4293213736 (0xFFE53E28)
YUV	109.4250, -34.2265, 104.8673
Hunter-Lab	45.0072, 57.7430, 26.0996

# Details

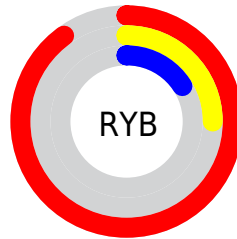
The XYZ color **34.4187, 20.2565, 4.1033** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **37.3275, 50.7276, 81.9521**, and the grayscale version is **14.7313, 15.4985, 16.8779**.

A 20% lighter version of the original color is **49.8388, 35.6393, 13.4848**, and **15.5170, 7.9993, 0.7262** is the 20% darker color. If you saturate the color by 10%, you get **33.2350, 18.3390, 2.3226**, and if you desaturate by 10%, it is **36.2431, 23.0874, 7.2342**.

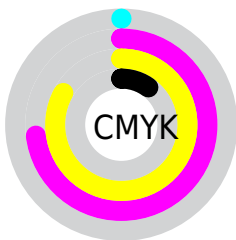
# Distribution



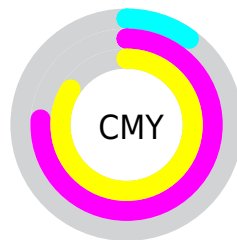
- Red (90%)
- Green (24%)
- Blue (16%)



- Red (90%)
- Yellow (25%)
- Blue (16%)



- Cyan (0%)
- Magenta (73%)
- Yellow (83%)
- Black (10%)




- Cyan (10%)
- Magenta (76%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4187, 20.2565, 4.1033 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 34.4187, 20.2565, 4.1033 by changing the saturation by 10% instead.





 34.4187, 20.2565,  
4.1033


 34.4187, 20.2565,  
4.1033


313.5482,  
253.3003, 149.3667


 23.3799, 12.5816,  
1.6822


 65.9242, 43.8468,  
14.2473

 14.9965, 7.1411,  
0.3485


 87.1216, 60.5310,  
22.8073

 8.9032, 3.5505,  
0.0000


 112.4359, 80.9872,  
34.2506

 4.7347, 1.4254,  
0.0000

 142.2324,  
105.5996, 48.9959

 2.1256, 0.2354,  
0.0000

 176.8766,  
134.7528, 67.4616

 0.7031, 0.0000,  
0.0000

 216.7337,

 0.0000, 0.0000,

168.8310, 90.0662

0.0000

262.1691,  
208.2187, 117.2284

■ 34.4187, 20.2565,  
4.1033

■ 34.4187, 20.2565,  
4.1033

■ 33.2350, 18.3390,  
2.3226

■ 36.2431, 23.0874,  
7.2342


■ 32.6972, 17.4267,  
1.6404


■ 38.7830, 26.9236,  
11.9147


■ 42.1042, 31.8500,  
18.3122


■ 46.2644, 37.9411,  
26.5717

■ 51.3160, 45.2650,  
36.8232

 57.3067, 53.8845,  
49.1848

 64.2813, 63.8581,  
63.7656

 72.2813, 75.2408,  
80.6669

 81.3460, 88.0844,  
99.9839

# Harmonies

## Analogous

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



39.5182, 20.2565, 15.8354



34.4187, 20.2565, 4.1033



25.5708, 20.2565, 1.0401

# Triad

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



34.4187, 20.2565, 4.1033



7.9455, 20.2565, 9.3786



21.7715, 20.2565, 104.0503

# Complementary

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



34.4187, 20.2565, 4.1033



37.3275, 50.7276, 81.9521

# 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.



14.0726, 20.2565, 97.0586



34.4187, 20.2565, 4.1033



7.4633, 20.2565, 29.7232

# Square

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



34.4187, 20.2565, 4.1033



10.9431, 20.2565, 2.2298



9.3612, 20.2565, 64.3785



30.9670, 20.2565, 79.6396



# Rectangle

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



34.4187, 20.2565, 4.1033



19.5928, 20.2565, 0.6579



9.3612, 20.2565, 64.3785



18.9176, 20.2565, 105.5219

# Sweetspot

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



34.4191, 20.2577, 4.1036



71.0202, 65.7299, 58.3786



44.7168, 22.8336, 63.0881



14.6173, 13.2290, 11.2894



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.



34.4191, 20.2577, 4.1036



41.7692, 22.2960, 2.1753



44.1526, 39.7246, 7.3481



14.5115, 14.6369, 14.9648



18.7394, 10.0529, 0.9527



1.4297, 0.8328, 0.0854

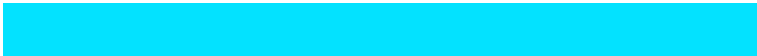


# Inverse Universe

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



37.3275, 50.7276, 81.9521



45.1691, 61.4107, 104.0805



21.2172, 18.5070, 76.5820



14.6566, 16.0347, 18.4668



20.2637, 27.5896, 46.6405



1.5382, 2.1204, 3.4602



# Previews

## White Background



This preview shows how the XYZ color 34.4187, 20.2565, 4.1033 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 34.4187, 20.2565, 4.1033 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 34.4187, 20.2565, 4.1033**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.4187, 20.2565, 4.1033.



This preview shows how white text looks on a background with the XYZ color 34.4187, 20.2565,



# 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

34.4187, 20.2565, 4.1033

### Protanopia

18.7196, 20.4516, 6.8318

### Deuteranopia

20.7143, 20.2801, 3.5322



## Tritanopia

35.0394, 20.2878, 6.4840

# Trichromacy



## Original Color

34.4187, 20.2565, 4.1033

## Protanomaly

22.3622, 18.5124, 5.5266

## Deuteranomaly

24.3444, 19.0096, 3.4847

## Tritanomaly

34.8916, 20.3118, 5.4497

# Monochromacy



## Original Color

34.4187, 20.2565, 4.1033

## Achromatopsia

14.5356, 15.2926, 16.6537

## Achromatomaly

18.5642, 15.0667, 10.3172

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.4187, 20.2565, 4.1033 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(229, 62, 40)` looks like.

```
.text, #text, p{  
    color:rgb(229, 62, 40)  
}
```

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(229, 62, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 62, 40) }
```

## Border

The CSS property to change the border of an element to XYZ 34.4187, 20.2565, 4.1033 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(229, 62, 40) }
```



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

```
.border{ border-color:rgb(229, 62, 40) }
```

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

Here you see how a box with a 4 pixel rgb(229, 62, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 62, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 62, 40);  
box-shadow:4px 4px 4px 4px rgb(229, 62,  
40) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.4187, 20.2565, 4.1033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 62, 40) }
```

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

```
.background{ background-color: rgb(229, 62,  
40) }
```

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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