

# Converting Colors

XYZ(35.4010, 22.4187, 11.4760)

Have a look what the booklet for  
XYZ(35.4010, 22.4187, 11.4760)  
contains.

<b>XYZ(35.4032, 22.4203, 11.4784)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(35.4032, 22.4203,  
11.4784)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E05157
RGB	224, 81, 87
RGB Percent	88%, 32%, 34%
CMY	0.1216, 0.6823, 0.6588
CMYK	0.00, 0.64, 0.61, 0.12
HSL	357°, 70%, 60%
HSV	357°, 64%, 88%
XYZ	35.4032, 22.4203, 11.4784
YIQ	124.4410, 83.3020, 32.1820

# Conversions

## Conversions Part 2

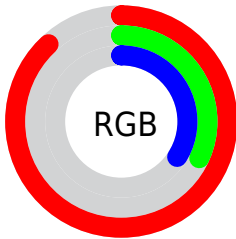
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 81, 87
Decimal	14700887
CIE Lab	54.47, 56.00, 27.02
CIE LCh	54, 62.181, 25.757
Yxy	22.4203, 0.5109, 0.3235
Android (android.graphics.Color)	4292890967 (0xFFE05157)
YUV	124.4410, -18.4584, 87.3132
Hunter-Lab	47.3501, 50.6001, 18.7722

# Details

The XYZ color **35.4032, 22.4203, 11.4784** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **42.7056, 60.1231, 75.6893**, and the grayscale version is **19.3468, 20.3543, 22.1659**.

A 20% lighter version of the original color is **54.7010, 40.9575, 28.6894**, and **15.4890, 8.1902, 2.9550** is the 20% darker color. If you saturate the color by 10%, you get **33.2541, 19.3231, 7.0604**, and if you desaturate by 10%, it is **38.3628, 26.7219, 17.4525**.

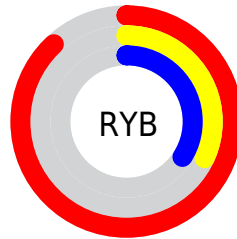
# Distribution



Red (88%)

Green (32%)

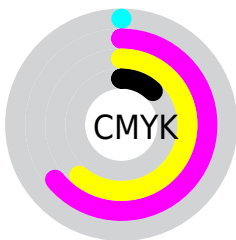
Blue (34%)



Red (88%)

Yellow (32%)

Blue (34%)

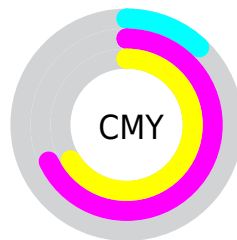


Cyan (0%)

Magenta (64%)

Yellow (61%)

Black (12%)



Cyan (12%)

Magenta (68%)


Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4032, 22.4203, 11.4784 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 35.4032, 22.4203, 11.4784 by changing the saturation by 10% instead.




 35.4032, 22.4203,  
11.4784


 35.4032, 22.4203,  
11.4784


317.8214,  
264.7334, 211.7748

 24.1416, 14.1661,  
6.2714


 67.4398, 47.4397,  
29.1915


 15.5640, 8.2363,  
2.9393


 88.9456, 64.9736,  
42.5347


 9.3050, 4.2465,  
1.0637


 114.5967, 86.3696,  
59.4271

 4.9994, 1.8124,  
0.0000

 144.7587,  
112.0119, 80.2871

 2.2817, 0.4949,  
0.0000

 179.7968,  
142.2851, 105.5333

 0.7853, 0.0000,  
0.0000

220.0764,

 0.0000, 0.0000,

177.5735, 135.5843

0.0000

265.9628,  
218.2614, 170.8586

■ 35.4032, 22.4203,  
11.4784

■ 35.4032, 22.4203,  
11.4784

■ 33.2541, 19.3231,  
7.0604

■ 38.3628, 26.7219,  
17.4525

■ 31.8336, 17.3041,  
4.0528

■ 42.2009, 32.3298,  
25.1082

■ 31.0456, 16.2165,  
2.2844

■ 46.9802, 39.3396,  
34.5594

■ 30.7917, 15.8678,  
1.7094

■ 52.7574, 47.8367,  
45.9099

■ 59.5844, 57.9000,  
59.2556

67.5098, 69.6025,  
74.6857

76.5789, 83.0129,  
92.2842

84.5503, 94.5872,  
108.4086

# Harmonies

## Analogous

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



37.2066, 22.4203, 27.2913



35.4032, 22.4203, 11.4784



29.5548, 22.4203, 4.6880

# Triad

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



35.4032, 22.4203, 11.4784



12.2189, 22.4203, 8.8122



20.3561, 22.4203, 84.1108

# Complementary

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



35.4032, 22.4203, 11.4784



42.7056, 60.1231, 75.6893

# 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.



14.7614, 22.4203, 70.3513



35.4032, 22.4203, 11.4784



10.7418, 22.4203, 21.7425

# Square

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



35.4032, 22.4203, 11.4784



16.1137, 22.4203, 3.8243



11.5627, 22.4203, 44.5897



27.5177, 22.4203, 76.1178



# Rectangle

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



35.4032, 22.4203, 11.4784



24.6946, 22.4203, 3.1245



11.5627, 22.4203, 44.5897



18.2494, 22.4203, 81.7396

# Sweetspot

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



35.4037, 22.4216, 11.4788



74.9006, 70.2506, 69.6614



44.9683, 25.9967, 73.1684



15.4826, 14.2273, 13.8359



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.



35.4037, 22.4216, 11.4788



43.7955, 24.7558, 7.7610



42.4055, 36.8008, 12.6547



13.7304, 13.7098, 14.3505



17.9336, 9.2404, 1.0501



1.2514, 0.6438, 0.1166



# Inverse Universe

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



35.4037, 22.4216, 11.4788



43.7955, 24.7558, 7.7610



29.3595, 32.1533, 75.1794



13.7304, 13.7098, 14.3505



17.9336, 9.2404, 1.0501



1.2514, 0.6438, 0.1166



# Previews

## White Background



This preview shows how the XYZ color 35.4032, 22.4203, 11.4784 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 35.4032, 22.4203, 11.4784 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 35.4032, 22.4203, 11.4784**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4032, 22.4203, 11.4784.



This preview shows how white text looks on a background with the XYZ color 35.4032, 22.4203,



# 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

35.4032, 22.4203, 11.4784

### Protanopia

21.1706, 22.4512, 17.4051

### Deuteranopia

22.8821, 22.5155, 10.7293



## Tritanopia

35.3626, 22.4040, 11.2647

# Trichromacy



## Original Color

35.4032, 22.4203, 11.4784

## Protanomaly

24.4566, 20.9435, 14.8101

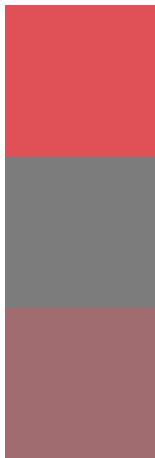
## Deuteranomaly

26.3214, 21.5069, 10.9476

## Tritanomaly

35.3626, 22.4040, 11.2647

# Monochromacy



## Original Color

35.4032, 22.4203, 11.4784

## Achromatopsia

19.1579, 20.1556, 21.9495

## Achromatomaly

22.7290, 19.3464, 17.5752

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4032, 22.4203, 11.4784 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(224, 81, 87)` looks like.

```
.text, #text, p{  
    color:rgb(224, 81, 87)  
}
```

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(224, 81, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 81, 87) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4032, 22.4203, 11.4784 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(224, 81, 87) }
```



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

```
.border{ border-color:rgb(224, 81, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 81, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 81, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 81, 87);  
box-shadow:4px 4px 4px 4px rgb(224, 81,  
87) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4032, 22.4203, 11.4784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 81, 87) }
```

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

```
.background{ background-color: rgb(224, 81,  
87) }
```

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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