

# Converting Colors

XYZ(35.4817, 21.5496, 12.5522)

Have a look what the booklet for  
XYZ(35.4817, 21.5496, 12.5522)  
contains.

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# Color

**XYZ(35.3445, 21.4326,  
12.6300)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E1485D
RGB	225, 72, 93
RGB Percent	88%, 28%, 36%
CMY	0.1176, 0.7176, 0.6353
CMYK	0.00, 0.68, 0.59, 0.12
HSL	352°, 72%, 58%
HSV	352°, 68%, 88%
XYZ	35.3445, 21.4326, 12.6300
YIQ	120.1410, 84.4470, 38.9670

# Conversions

## Conversions Part 2

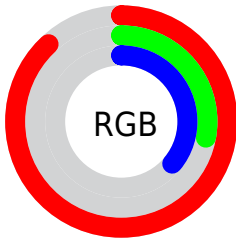
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 72, 93
Decimal	14764125
CIE <sub>Lab</sub>	53.42, 60.33, 22.15
CIE <sub>LCh</sub>	53, 64.269, 20.160
Yxy	21.4326, 0.5092, 0.3088
Android (android.graphics.Color)	4292954205 (0xFFE1485D)
YUV	120.1410, -13.3805, 91.9613
Hunter-Lab	46.2954, 55.2601, 16.2316

# Details

The XYZ color **35.3445, 21.4326, 12.6300** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **40.4985, 59.5883, 66.4995**, and the grayscale version is **17.9214, 18.8547, 20.5328**.

A 20% lighter version of the original color is **54.0482, 38.9437, 30.6548**, and **15.6173, 7.9918, 3.4088** is the 20% darker color. If you saturate the color by 10%, you get **33.3931, 18.7359, 8.2624**, and if you desaturate by 10%, it is **38.0471, 25.2830, 18.3250**.

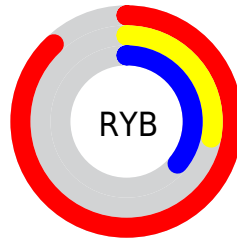
# Distribution



Red (88%)

Green (28%)

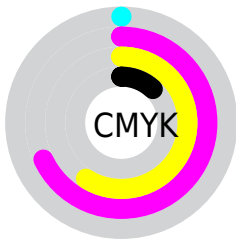
Blue (36%)



Red (88%)

Yellow (28%)

Blue (36%)

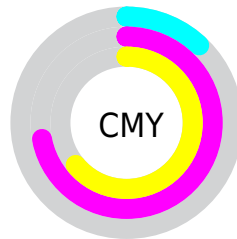


Cyan (0%)

Magenta (68%)

Yellow (59%)

Black (12%)



Cyan (12%)

Magenta (72%)


Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3445, 21.4326, 12.6300 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 35.3445, 21.4326, 12.6300 by changing the saturation by 10% instead.





 35.3445, 21.4326,  
12.6300


 35.3445, 21.4326,  
12.6300


317.5678,  
259.5687, 219.6565


 24.0961, 13.4406,  
7.0465


 67.3496, 45.8064,  
31.3188

 15.5301, 7.7326,  
3.4123


 88.8371, 62.9570,  
45.2613


 9.2810, 3.9243,  
1.3088


 114.4683, 83.9292,  
62.8271

 4.9835, 1.6313,  
0.0690

 144.6086,  
109.1074, 84.4349

 2.2722, 0.3786,  
0.0000

 179.6233,  
138.8761, 110.5032

 0.7804, 0.0000,  
0.0000

219.8778,

 0.0000, 0.0000,

173.6196, 141.4506

0.0000

265.7376,  
213.7223, 177.6955

■ 35.3445, 21.4326,  
12.6300

■ 35.3445, 21.4326,  
12.6300

■ 33.3931, 18.7359,  
8.2624

■ 38.0471, 25.2830,  
18.3250

■ 32.1133, 17.0598,  
5.1119

■ 41.5666, 30.3936,  
25.4433


■ 31.4000, 16.2253,  
3.0485


■ 45.9632, 36.8629,  
34.0729


■ 31.2968, 16.1057,  
2.7466


■ 51.2908, 44.7786,  
44.2943

■ 57.5992, 54.2212,  
56.1824

 64.9343, 65.2650,  
69.8073

 73.3394, 77.9796,  
85.2350

 82.8551, 92.4305,  
102.5281

 84.8612, 94.7475,  
108.4232

# Harmonies

## Analogous

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



36.2343, 21.4326, 30.3682



35.3445, 21.4326, 12.6300



29.9904, 21.4326, 4.7369

# Triad

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



35.3445, 21.4326, 12.6300



11.8630, 21.4326, 6.5878



18.2092, 21.4326, 83.4285

# Complementary

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



35.3445, 21.4326, 12.6300



40.4985, 59.5883, 66.4995

# 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.



13.0659, 21.4326, 65.7385



35.3445, 21.4326, 12.6300



9.9818, 21.4326, 17.4837

# Square

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



35.3445, 21.4326, 12.6300



16.1737, 21.4326, 2.8465



10.3665, 21.4326, 38.8384



25.2382, 21.4326, 79.4028



# Rectangle

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



35.3445, 21.4326, 12.6300



25.1586, 21.4326, 2.8288



10.3665, 21.4326, 38.8384



16.2330, 21.4326, 79.5658

# Sweetspot

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



35.3450, 21.4338, 12.6303



74.5904, 69.1487, 71.0420



40.2795, 22.6359, 73.4800



15.4463, 14.0229, 14.2298



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.



35.3450, 21.4338, 12.6303



43.4691, 23.7086, 8.8683



39.6255, 31.2840, 10.0825



13.7834, 13.7310, 14.6297



18.0595, 9.2908, 1.7133



1.2767, 0.6539, 0.2498



# Inverse Universe

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



35.3450, 21.4338, 12.6303



43.4691, 23.7086, 8.8683



30.9124, 36.1116, 76.5748



13.7834, 13.7310, 14.6297



18.0595, 9.2908, 1.7133

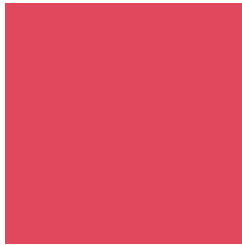


1.2767, 0.6539, 0.2498



# Previews

## White Background



This preview shows how the XYZ color 35.3445, 21.4326, 12.6300 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 35.3445, 21.4326, 12.6300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

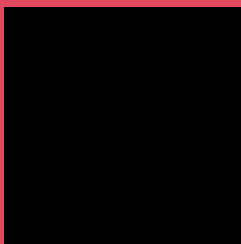
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.3445, 21.4326, 12.6300**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.3445, 21.4326, 12.6300.



This preview shows how white text looks on a background with the XYZ color 35.3445, 21.4326,



# 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

35.3445, 21.4326, 12.6300

### Protanopia

20.6621, 21.7329, 20.2454

### Deuteranopia

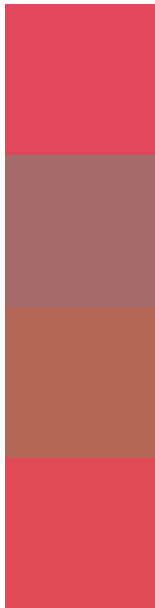
22.0491, 21.6918, 11.6192



## Tritanopia

34.6678, 21.4440, 9.7090

# Trichromacy



## Original Color

35.3445, 21.4326, 12.6300

## Protanomaly

23.8488, 19.9362, 17.0591

## Deuteranomaly

25.5342, 20.3085, 11.8067

## Tritanomaly

34.7895, 21.3849, 10.6816

# Monochromacy



## Original Color

35.3445, 21.4326, 12.6300

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

21.7653, 18.0954, 17.0975

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.3445, 21.4326, 12.6300 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(225, 72, 93)` looks like.

```
.text, #text, p{  
  color:rgb(225, 72, 93)  
}
```

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(225, 72, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 72, 93) }
```

## Border

The CSS property to change the border of an element to XYZ 35.3445, 21.4326, 12.6300 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(225, 72, 93) }
```



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

```
.border{ border-color:rgb(225, 72, 93) }
```

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

Here you see how a box with a 4 pixel rgb(225, 72, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 72, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 72, 93);  
box-shadow:4px 4px 4px 4px rgb(225, 72,  
93) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.3445, 21.4326, 12.6300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 72, 93) }
```

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

```
.background{ background-color: rgb(225, 72,  
93) }
```

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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