

# Converting Colors

XYZ(43.7720, 32.6846, 24.8622)

Have a look what the booklet for  
XYZ(43.7720, 32.6846, 24.8622)  
contains.

<b>XYZ(43.6785, 32.5739, 24.7542)</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(43.6785, 32.5739,  
24.7542)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E67B81
RGB	230, 123, 129
RGB Percent	90%, 48%, 51%
CMY	0.0980, 0.5176, 0.4941
CMYK	0.00, 0.47, 0.44, 0.10
HSL	357°, 68%, 69%
HSV	357°, 47%, 90%
XYZ	43.6785, 32.5739, 24.7542
YIQ	155.6770, 61.8460, 24.5500

# Conversions

## Conversions Part 2

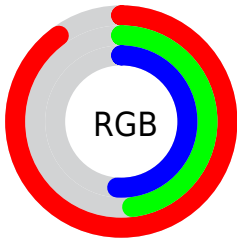
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 123, 129
Decimal	15104897
CIE <sub>Lab</sub>	63.81, 41.82, 15.55
CIE <sub>LCh</sub>	64, 44.614, 20.392
Yxy	32.5739, 0.4324, 0.3225
Android (android.graphics.Color)	4293294977 (0xFFE67B81)
YUV	155.6770, -13.1518, 65.1813
Hunter-Lab	57.0735, 36.7277, 14.2360

# Details

The XYZ color **43.6785, 32.5739, 24.7542** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **49.9214, 66.1870, 80.6691**, and the grayscale version is **31.4944, 33.1345, 36.0835**.

A 20% lighter version of the original color is **65.4056, 56.0817, 51.6336**, and **20.4958, 13.7436, 9.1619** is the 20% darker color. If you saturate the color by 10%, you get **39.8600, 27.0062, 17.1018**, and if you desaturate by 10%, it is **48.4755, 39.6078, 34.2460**.

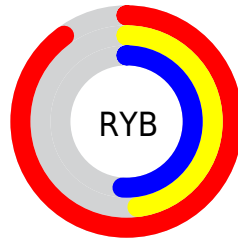
# Distribution



Red (90%)

Green (48%)

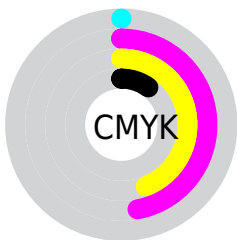
Blue (51%)



Red (90%)

Yellow (48%)

Blue (51%)

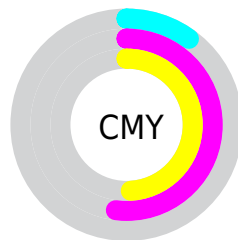


Cyan (0%)

Magenta (47%)

Yellow (44%)

Black (10%)



Cyan (10%)

Magenta (52%)


Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6785, 32.5739, 24.7542 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 43.6785, 32.5739, 24.7542 by changing the saturation by 10% instead.





 43.6785, 32.5739,  
24.7542


 43.6785, 32.5739,  
24.7542


352.2691,  
313.7253, 290.0200


 30.6147, 21.8002,  
15.6767

 79.9831, 63.7097,  
52.2173

 20.4560, 13.7102,  
9.1438


 103.9546, 84.8406,  
71.4400

 12.8371, 7.9194,  
4.7370

 132.2926,  
110.1928, 94.8815

 7.3927, 4.0434,  
2.0378

165.3626,  
140.1505, 122.9604

 3.7574, 1.6979,  
0.5784

203.5299,  
175.0982, 156.0951

 1.5658, 0.4223,  
0.0000

247.1598,

 0.3700, 0.0000,

215.4203, 194.7043

0.0000

296.6178,  
261.5012, 239.2064

■ 0.0000, 0.0000,  
0.0000

■ 43.6785, 32.5739,  
24.7542

■ 43.6785, 32.5739,  
24.7542

■ 39.8600, 27.0062,  
17.1018

■ 48.4755, 39.6078,  
34.2460

■ 36.9501, 22.7968,  
11.1680

■ 54.3094, 48.1963,  
45.6839

■ 34.8741, 19.8306,  
6.8203

■ 61.2369, 58.4263,  
59.1685

■ 33.5439, 17.9716,  
3.9060

■ 69.3100, 70.3772,  
74.7930

■ 32.8502, 17.0489,  
2.2421

■ 78.5773, 84.1230,  
92.6449

■ 32.7049, 16.8517,  
1.9059

■ 86.4430, 95.5629,  
108.4972

# Harmonies

## Analogous

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



44.4197, 32.5739, 41.5419



43.6785, 32.5739, 24.7542



39.2918, 32.5739, 14.9764

# Triad

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



43.6785, 32.5739, 24.7542



22.5770, 32.5739, 17.7078



28.9934, 32.5739, 81.5098

# Complementary

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



43.6785, 32.5739, 24.7542



49.9214, 66.1870, 80.6691

# 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.



23.8989, 32.5739, 69.2348



43.6785, 32.5739, 24.7542



20.5383, 32.5739, 30.0160

# Square

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



43.6785, 32.5739, 24.7542



26.9503, 32.5739, 11.9640



20.9872, 32.5739, 48.8964



35.3500, 32.5739, 78.6223



# Rectangle

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



43.6785, 32.5739, 24.7542



35.1810, 32.5739, 11.8859



20.9872, 32.5739, 48.8964



27.0919, 32.5739, 78.8973

# Sweetspot

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



43.6793, 32.5756, 24.7548



79.7410, 77.3162, 79.3371



51.7571, 35.5476, 78.9961



16.6190, 15.8849, 16.1109



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.



43.6793, 32.5756, 24.7548



50.4586, 34.2535, 21.7852



50.4656, 46.7671, 25.1083



14.4096, 14.3810, 15.0912



18.5298, 9.5461, 1.1531



1.3809, 0.7101, 0.1463



# Inverse Universe

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



43.6793, 32.5756, 24.7548



50.4586, 34.2535, 21.7852



39.5172, 44.0546, 81.2832



14.4096, 14.3810, 15.0912



18.5298, 9.5461, 1.1531



1.3809, 0.7101, 0.1463



# Previews

## White Background



This preview shows how the XYZ color 43.6785, 32.5739, 24.7542 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 43.6785, 32.5739, 24.7542 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

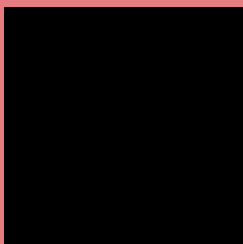
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.6785, 32.5739, 24.7542**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.6785, 32.5739, 24.7542.



This preview shows how white text looks on a background with the XYZ color 43.6785, 32.5739,



# 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

43.6785, 32.5739, 24.7542

### Protanopia

31.1636, 32.6291, 31.4436

### Deuteranopia

33.2715, 32.6789, 23.9561



## Tritanopia

43.8128, 32.6276, 25.4613

# Trichromacy



## Original Color

43.6785, 32.5739, 24.7542

## Protanomaly

34.4902, 31.8233, 28.7508

## Deuteranomaly

36.4327, 32.2683, 24.0469

## Tritanomaly

43.7454, 32.6006, 25.1060

# Monochromacy



## Original Color

43.6785, 32.5739, 24.7542

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

34.6900, 32.0891, 31.5596

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6785, 32.5739, 24.7542 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(230, 123, 129)` looks like.

```
.text, #text, p{  
  color:rgb(230, 123, 129)  
}
```

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(230, 123, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 123, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 43.6785, 32.5739, 24.7542 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(230, 123, 129) }
```



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

```
.border{ border-color:rgb(230, 123, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 123, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 123, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 123, 129); box-shadow:4px 4px 4px 4px rgb(230, 123, 129) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.6785, 32.5739, 24.7542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 123, 129) }
```

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

```
.background{ background-color: rgb(230,  
123, 129) }
```

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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