

# Converting Colors

XYZ(43.1020, 30.1501, 21.2047)

Have a look what the booklet for  
XYZ(43.1020, 30.1501, 21.2047)  
contains.

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# Color

**XYZ(43.2270, 30.1701,  
21.3144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB6E78
RGB	235, 110, 120
RGB Percent	92%, 43%, 47%
CMY	0.0784, 0.5686, 0.5294
CMYK	0.00, 0.53, 0.49, 0.08
HSL	355°, 76%, 68%
HSV	355°, 53%, 92%
XYZ	43.2270, 30.1701, 21.3144
YIQ	148.5150, 71.2900, 29.6100

# Conversions

## Conversions Part 2

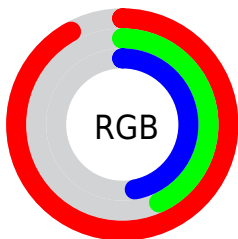
Format	Color
R <sub>Y</sub> B	235, 110, 120
Decimal	15429240
CIE Lab	61.80, 49.16, 18.01
CIE LCh	62, 52.359, 20.121
Yxy	30.1701, 0.4564, 0.3185
Android (android.graphics.Color)	4293619320 (0xFFEB6E78)
YUV	148.5150, -14.0579, 75.8473
Hunter-Lab	54.9273, 44.3541, 15.4418

# Details

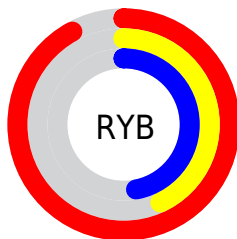
The XYZ color **43.2270, 30.1701, 21.3144** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **49.7310, 68.1685, 81.7754**, and the grayscale version is **28.4006, 29.8797, 32.5390**.

A 20% lighter version of the original color is **62.1415, 51.1488, 45.6272**, and **20.2631, 12.4102, 7.4583** is the 20% darker color. If you saturate the color by 10%, you get **39.8518, 25.2881, 14.4302**, and if you desaturate by 10%, it is **47.5721, 36.5182, 29.9840**.

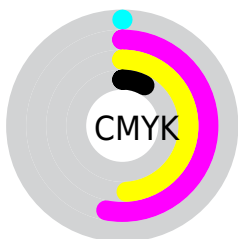
# Distribution



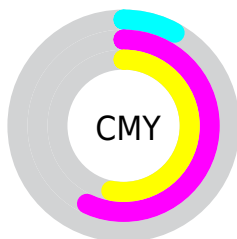
- Red (92%)
- Green (43%)
- Blue (47%)



- Red (92%)
- Yellow (43%)
- Blue (47%)



- Cyan (0%)
- Magenta (53%)
- Yellow (49%)
- Black (8%)




- Cyan (8%)
- Magenta (57%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2270, 30.1701, 21.3144 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 43.2270, 30.1701, 21.3144 by changing the saturation by 10% instead.





 43.2270, 30.1701,  
21.3144


 43.2270, 30.1701,  
21.3144


350.4502,  
302.6965, 271.7804


 30.2586, 19.9677,  
13.1605


 79.3069, 59.9311,  
46.4978


 20.1840, 12.3716,  
7.4072

 103.1490, 80.2585,  
64.3643

 12.6379, 6.9973,  
3.6357


 131.3464,  
104.7297, 86.3056

 7.2549, 3.4604,  
1.4277

 164.2645,  
133.7291, 112.7400

 3.6698, 1.3766,  
0.1632

202.2686,  
167.6411, 144.0861

 1.5171, 0.1993,  
0.0000

245.7239,

 0.3374, 0.0000,

206.8500, 180.7626

0.0000

294.9960,  
251.7404, 223.1878

■ 0.0000, 0.0000,  
0.0000

■ 43.2270, 30.1701,  
21.3144

■ 43.2270, 30.1701,  
21.3144

■ 39.8518, 25.2881,  
14.4302

■ 47.5721, 36.5182,  
29.9840

■ 37.3698, 21.7504,  
9.2052

■ 52.9517, 44.4317,  
40.5500

■ 35.6960, 19.4239,  
5.4995

■ 59.4273, 54.0070,  
53.1161

■ 34.7280, 18.1456,  
3.1491

■ 67.0551, 65.3313,  
67.7781

■ 34.3765, 17.7084,  
2.2129

■ 75.8873, 78.4856,  
84.6259

■ 85.9729, 93.5461,  
103.7436

■ 88.0708, 96.4021,  
108.5734

# Harmonies

## Analogous

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



44.0481, 30.1701, 39.9015



43.2270, 30.1701, 21.3144



38.1786, 30.1701, 11.2897

# Triad

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



43.2270, 30.1701, 21.3144



19.5539, 30.1701, 13.8438



26.4326, 30.1701, 87.1882

# Complementary

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



43.2270, 30.1701, 21.3144



49.7310, 68.1685, 81.7754

# 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.



20.8972, 30.1701, 72.0955



43.2270, 30.1701, 21.3144



17.3743, 30.1701, 26.6826

# Square

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



43.2270, 30.1701, 21.3144



24.2989, 30.1701, 8.3514



17.8225, 30.1701, 47.9396



33.5490, 30.1701, 83.8252



# Rectangle

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



43.2270, 30.1701, 21.3144



33.4897, 30.1701, 8.3291



17.8225, 30.1701, 47.9396



24.3468, 30.1701, 83.9292

# Sweetspot

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



43.2278, 30.1717, 21.3149



77.9218, 74.4883, 76.2319



51.4937, 33.0924, 82.2703



16.2654, 15.3301, 15.5235



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.



43.2278, 30.1717, 21.3149



47.5918, 29.8965, 16.5859



50.0114, 44.6596, 20.7383



15.1143, 15.0736, 15.8874



19.1503, 9.8628, 1.3269



1.5207, 0.7813, 0.1936



# Inverse Universe

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



43.2278, 30.1717, 21.3149



47.5918, 29.8965, 16.5859



38.3436, 43.1474, 84.9042



15.1143, 15.0736, 15.8874



19.1503, 9.8628, 1.3269



1.5207, 0.7813, 0.1936



# Previews

## White Background



This preview shows how the XYZ color 43.2270, 30.1701, 21.3144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

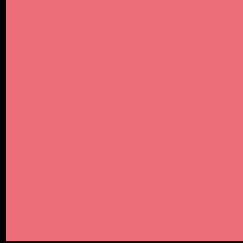
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.2270, 30.1701, 21.3144 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 43.2270, 30.1701, 21.3144**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.2270, 30.1701, 21.3144.



This preview shows how white text looks on a background with the XYZ color 43.2270, 30.1701,



# 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

43.2270, 30.1701, 21.3144

### Protanopia

28.9252, 30.3275, 28.7554

### Deuteranopia

30.9150, 30.3915, 20.1563



## Tritanopia

43.1069, 30.1220, 20.6817

# Trichromacy



## Original Color

43.2270, 30.1701, 21.3144

## Protanomaly

32.5960, 29.1842, 25.7449

## Deuteranomaly

34.4296, 29.6338, 20.4283

## Tritanomaly

43.1667, 30.1459, 20.9964

# Monochromacy



## Original Color

43.2270, 30.1701, 21.3144

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

32.0738, 28.8662, 27.9260

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.2270, 30.1701, 21.3144 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(235, 110, 120)` looks like.

```
.text, #text, p{  
    color:rgb(235, 110, 120)  
}
```

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(235, 110, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 110, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 43.2270, 30.1701, 21.3144 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(235, 110, 120) }
```



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

```
.border{ border-color:rgb(235, 110, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 110, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 110, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 110, 120);  
box-shadow:4px 4px 4px 4px rgb(235, 110,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.2270, 30.1701, 21.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 110, 120) }
```

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

```
.background{ background-color: rgb(235,  
110, 120) }
```

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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