

Converting Colors

XYZ(42.3620, 31.2406, 21.3210)

Have a look what the booklet for
XYZ(42.3620, 31.2406, 21.3210)
contains.

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Color

**XYZ(42.2397, 31.1836,
21.2455)**

Conversions

Conversions Part 1

Format	Color
Hex	E57777
RGB	229, 119, 119
RGB Percent	90%, 47%, 47%
CMY	0.1020, 0.5333, 0.5333
CMYK	0.00, 0.48, 0.48, 0.10
HSL	0°, 68%, 68%
HSV	0°, 48%, 90%
XYZ	42.2397, 31.1836, 21.2455
YIQ	151.8900, 65.5600, 23.3200

Conversions

Conversions Part 2

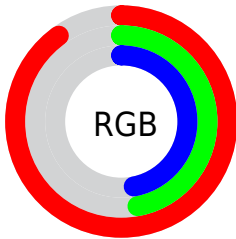
Format	Color
R_{YB}	229, 119, 119
Decimal	15038327
CIE _{Lab}	62.66, 42.50, 19.62
CIE _{LCh}	63, 46.811, 24.784
Yxy	31.1836, 0.4462, 0.3294
Android (android.graphics.Color)	4293228407 (0xFFE57777)
YUV	151.8900, -16.2148, 67.6255
Hunter-Lab	55.8423, 37.2953, 16.5324

Details

The XYZ color **42.2397, 31.1836, 21.2455** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **49.7682, 65.6142, 84.1703**, and the grayscale version is **29.8464, 31.4008, 34.1954**.

A 20% lighter version of the original color is **63.5343, 54.0874, 45.6194**, and **19.5067, 12.9043, 7.4239** is the 20% darker color. If you saturate the color by 10%, you get **38.6217, 25.8899, 14.0524**, and if you desaturate by 10%, it is **46.8470, 37.9259, 30.4035**.

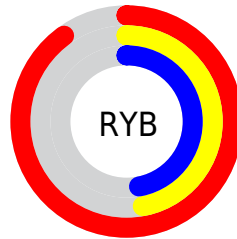
Distribution



Red (90%)

Green (47%)

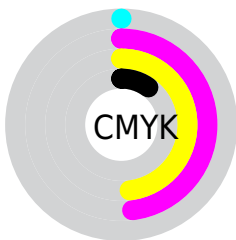
Blue (47%)



Red (90%)

Yellow (47%)

Blue (47%)

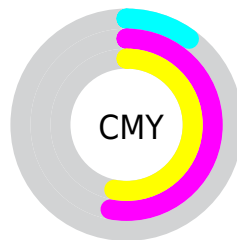


Cyan (0%)

Magenta (48%)

Yellow (48%)

Black (10%)



Cyan (10%)

Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2397, 31.1836, 21.2455 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 42.2397, 31.1836, 21.2455 by changing the saturation by 10% instead.

■ 42.2397, 31.1836,
21.2455

■ 42.2397, 31.1836,
21.2455

346.4504,
307.3833, 271.4041

■ 29.4810, 20.7387,
13.1106

■ 77.8252, 61.5290,
46.3818

■ 19.5911, 12.9331,
7.3731

■ 101.3826, 82.1983,
64.2203

■ 12.2047, 7.3825,
3.6146

■ 129.2703,
107.0445, 86.1305

■ 6.9564, 3.7025,
1.4164

161.8536,
136.4521, 112.5307

■ 3.4809, 1.5086,
0.1544

199.4980,
170.8053, 143.8397

■ 1.4129, 0.2947,
0.0000

242.5686,

■ 0.2654, 0.0000,

210.4887, 180.4759

0.0000

291.4310,
255.8865, 222.8578

■ 0.0000, 0.0000,
0.0000

■ 42.2397, 31.1836,
21.2455

■ 42.2397, 31.1836,
21.2455

■ 38.6217, 25.8899,
14.0524

■ 46.8470, 37.9259,
30.4035

■ 35.9186, 21.9344,
8.6789

■ 52.5063, 46.2071,
41.6538

■ 34.0492, 19.1987,
4.9629

■ 59.2777, 56.1156,
55.1151

■ 32.9170, 17.5419,
2.7124

■ 67.2163, 67.7320,
70.8968

■ 32.3866, 16.7658,
1.6584

■ 76.3734, 81.1314,
89.1010

■ 32.3131, 16.6582,
1.5123

■ 86.1230, 95.3980,
108.4822

Harmonies

Analogous

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



43.6220, 31.1836, 37.2515



42.2397, 31.1836, 21.2455



37.2967, 31.1836, 12.5689

Triad

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



42.2397, 31.1836, 21.2455



20.6986, 31.1836, 17.4472



28.5369, 31.1836, 82.3783

Complementary

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



42.2397, 31.1836, 21.2455



49.7682, 65.6142, 84.1703

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.



23.1086, 31.1836, 71.5369



42.2397, 31.1836, 21.2455



19.0178, 31.1836, 30.8564

Square

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



42.2397, 31.1836, 21.2455



24.7852, 31.1836, 10.9919



19.8324, 31.1836, 50.9263



35.0886, 31.1836, 76.9198

Rectangle

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



42.2397, 31.1836, 21.2455



32.9793, 31.1836, 10.0732



19.8324, 31.1836, 50.9263



26.5324, 31.1836, 80.4312

Sweetspot

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



42.2405, 31.1852, 21.2461



79.4761, 77.2111, 77.9395



53.0527, 35.5089, 78.1862



16.5556, 15.8598, 15.7767



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.



42.2405, 31.1852, 21.2461



49.1681, 32.8616, 17.6890



50.7789, 48.2621, 24.0922



14.3771, 14.3681, 14.9200



18.4752, 9.5245, 0.8647



1.3653, 0.7039, 0.0639

Inverse Universe

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



49.7682, 65.6142, 84.1703



59.8828, 81.8667, 107.2534



36.8868, 39.8513, 79.8764



14.8074, 16.3363, 18.5171



24.1043, 35.2706, 47.9207



1.7812, 2.6064, 3.5412

Previews

White Background



This preview shows how the XYZ color 42.2397, 31.1836, 21.2455 looks on a white background.

Color Contrast Check

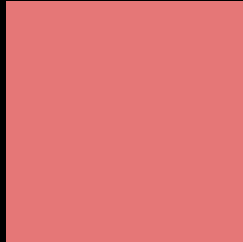
Large Text (above 18pt) WCAG AA × Fail

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 42.2397, 31.1836, 21.2455 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 42.2397, 31.1836, 21.2455

Background



This preview shows how black text looks on a background with the XYZ color 42.2397, 31.1836, 21.2455.



This preview shows how white text looks on a background with the XYZ color 42.2397, 31.1836,

21.2455.

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

42.2397, 31.1836, 21.2455

Protanopia

29.8995, 31.5767, 27.4407

Deuteranopia

31.9066, 31.3564, 20.2903



Tritanopia

42.8775, 31.2862, 23.5176

Trichromacy



Original Color

42.2397, 31.1836, 21.2455

Protanomaly

33.1077, 30.5315, 24.9171

Deuteranomaly

34.9825, 30.7396, 20.6126

Tritanomaly

42.6867, 31.2099, 22.5132

Monochromacy



Original Color

42.2397, 31.1836, 21.2455

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.9341, 30.3529, 28.9338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2397, 31.1836, 21.2455 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, 119, 119)` looks like.

```
.text, #text, p{  
    color:rgb(229, 119, 119)  
}
```

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, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 119, 119) }
```

Border

The CSS property to change the border of an element to XYZ 42.2397, 31.1836, 21.2455 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, 119, 119) }
```


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

```
.border{ border-color:rgb(229, 119, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 119, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 119, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 119, 119);  
box-shadow:4px 4px 4px 4px rgb(229, 119,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2397, 31.1836, 21.2455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 119, 119) }
```

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

```
.background{ background-color: rgb(229,  
119, 119) }
```

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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