

Converting Colors

XYZ(42.1272, 30.8056, 20.5850)

Have a look what the booklet for
XYZ(42.1272, 30.8056, 20.5850)
contains.

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Color

**XYZ(42.2053, 30.8299,
20.5559)**

Conversions

Conversions Part 1

Format	Color
Hex	E67575
RGB	230, 117, 117
RGB Percent	90%, 46%, 46%
CMY	0.0980, 0.5411, 0.5412
CMYK	0.00, 0.49, 0.49, 0.10
HSL	0°, 69%, 68%
HSV	0°, 49%, 90%
XYZ	42.2053, 30.8299, 20.5559
YIQ	150.7870, 67.3480, 23.9560

Conversions

Conversions Part 2

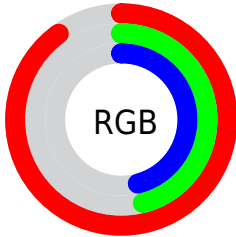
Format	Color
R_{YB}	230, 117, 117
Decimal	15103349
CIE _{Lab}	62.36, 43.68, 20.38
CIE _{LCh}	62, 48.202, 25.008
Yxy	30.8299, 0.4510, 0.3294
Android (android.graphics.Color)	4293293429 (0xFFE67575)
YUV	150.7870, -16.6570, 69.4698
Hunter-Lab	55.5247, 38.5128, 16.9174

Details

The XYZ color **42.2053, 30.8299, 20.5559** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **49.9142, 66.0853, 84.9877**, and the grayscale version is **29.3740, 30.9037, 33.6542**.

A 20% lighter version of the original color is **62.9643, 53.2504, 44.4959**, and **19.5420, 12.7563, 7.0625** is the 20% darker color. If you saturate the color by 10%, you get **38.6569, 25.6380, 13.5011**, and if you desaturate by 10%, it is **46.7456, 37.4742, 29.5808**.

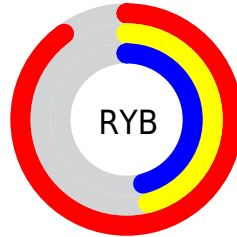
Distribution



Red (90%)

Green (46%)

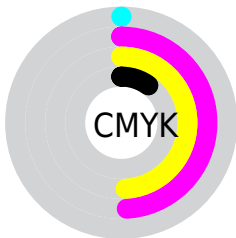
Blue (46%)



Red (90%)

Yellow (46%)

Blue (46%)

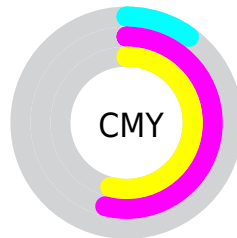


Cyan (0%)

Magenta (49%)

Yellow (49%)

Black (10%)



Cyan (10%)


Magenta (54%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2053, 30.8299, 20.5559 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 42.2053, 30.8299, 20.5559 by changing the saturation by 10% instead.


 42.2053, 30.8299,
20.5559


 42.2053, 30.8299,
20.5559


346.3104,
305.7539, 267.6119

 29.4539, 20.4694,
12.6117


 77.7735, 60.9722,
45.2184

 19.5705, 12.7367,
7.0341

 101.3209, 81.5227,
62.7738

 12.1896, 7.2475,
3.4047

 129.1978,
106.2386, 84.3700

 6.9461, 3.6173,
1.3048

161.7694,
135.5044, 110.4255

 3.4744, 1.4619,
0.0657

199.4011,
169.7045, 141.3589

 1.4093, 0.2617,
0.0000

242.4583,

 0.2629, 0.0000,

209.2231, 177.5888

0.0000

291.3063,
254.4448, 219.5336

■ 0.0000, 0.0000,
0.0000

■ 42.2053, 30.8299,
20.5559

■ 42.2053, 30.8299,
20.5559

■ 38.6569, 25.6380,
13.5011

■ 46.7456, 37.4742,
29.5808

■ 36.0242, 21.7856,
8.2677

■ 52.3419, 45.6633,
40.7059

■ 34.2240, 19.1511,
4.6891


■ 59.0556, 55.4873,
54.0524


■ 33.1564, 17.5889,
2.5672


■ 66.9427, 67.0283,
69.7316

■ 32.6659, 16.8710,
1.5922

■ 76.0554, 80.3628,
87.8475

 32.6332, 16.8232,
1.5272

 86.4429, 95.5626,
108.4971

 86.4430, 95.5630,
108.4972

Harmonies

Analogous

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



43.6610, 30.8299, 36.7930



42.2053, 30.8299, 20.5559



37.1017, 30.8299, 11.8998

Triad

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



42.2053, 30.8299, 20.5559



20.1804, 30.8299, 16.8931



28.2248, 30.8299, 83.5870

Complementary

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



42.2053, 30.8299, 20.5559



49.9142, 66.0853, 84.9877

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.



22.6815, 30.8299, 72.4417



42.2053, 30.8299, 20.5559



18.4981, 30.8299, 30.5382

Square

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



42.2053, 30.8299, 20.5559



24.3131, 30.8299, 10.4016



19.3410, 30.8299, 51.1624



34.9325, 30.8299, 77.7891

Rectangle

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



42.2053, 30.8299, 20.5559



32.6693, 30.8299, 9.4498



19.3410, 30.8299, 51.1624



26.1760, 30.8299, 81.6066

Sweetspot

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



42.2061, 30.8315, 20.5565



78.4809, 75.7547, 75.9610



53.2773, 35.2589, 78.8604



16.3598, 15.5732, 15.3873



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.



42.2061, 30.8315, 20.5565



48.7734, 32.2840, 16.9045



50.8837, 48.1867, 23.4490



14.3771, 14.3681, 14.9200



18.4751, 9.5244, 0.8647



1.3653, 0.7039, 0.0639

Inverse Universe

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



49.9142, 66.0853, 84.9877



59.5804, 81.7110, 107.2393



36.6588, 39.5745, 80.5692



14.8075, 16.3363, 18.5171



24.1044, 35.2708, 47.9207



1.7812, 2.6064, 3.5412

Previews

White Background



This preview shows how the XYZ color 42.2053, 30.8299, 20.5559 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 42.2053, 30.8299, 20.5559 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 42.2053, 30.8299, 20.5559

Background



This preview shows how black text looks on a background with the XYZ color 42.2053, 30.8299, 20.5559.



This preview shows how white text looks on a background with the XYZ color 42.2053, 30.8299,

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

42.2053, 30.8299, 20.5559

Protanopia

29.4008, 31.0958, 26.6428

Deuteranopia

31.6404, 31.0044, 19.6460



Tritanopia

42.8385, 30.9349, 22.7820

Trichromacy



Original Color

42.2053, 30.8299, 20.5559

Protanomaly

32.8305, 30.1879, 24.1752

Deuteranomaly

34.9899, 30.5486, 19.9719

Tritanomaly

42.6516, 30.8602, 21.7978

Monochromacy



Original Color

42.2053, 30.8299, 20.5559

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

32.7152, 30.0326, 28.4987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2053, 30.8299, 20.5559 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, 117, 117)` looks like.

```
.text, #text, p{  
    color:rgb(230, 117, 117)  
}
```

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, 117, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 117, 117) }
```

Border

The CSS property to change the border of an element to XYZ 42.2053, 30.8299, 20.5559 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, 117, 117) }
```


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

```
.border{ border-color:rgb(230, 117, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 117, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 117, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 117, 117); box-shadow:4px 4px 4px 4px rgb(230, 117, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2053, 30.8299, 20.5559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 117, 117) }
```

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

```
.background{ background-color: rgb(230,  
117, 117) }
```

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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