

Converting Colors

XYZ(39.7443, 29.7410, 20.5683)

Have a look what the booklet for
XYZ(39.7443, 29.7410, 20.5683)
contains.

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Color

**XYZ(39.8135, 29.7708,
20.4776)**

Conversions

Conversions Part 1

Format	Color
Hex	DE7675
RGB	222, 118, 117
RGB Percent	87%, 46%, 46%
CMY	0.1294, 0.5372, 0.5412
CMYK	0.00, 0.47, 0.47, 0.13
HSL	1°, 61%, 66%
HSV	1°, 47%, 87%
XYZ	39.8135, 29.7708, 20.4776
YIQ	148.9820, 62.3050, 21.7370

Conversions

Conversions Part 2

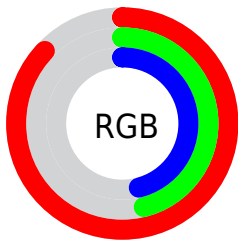
Format	Color
R _Y B	222, 118, 117
Decimal	14579317
CIE Lab	61.46, 40.25, 18.96
CIE LCh	61, 44.490, 25.221
Yxy	29.7708, 0.4421, 0.3306
Android (android.graphics.Color)	4292769397 (0xFFDE7675)
YUV	148.9820, -15.7671, 64.0368
Hunter-Lab	54.5626, 34.7641, 15.9420

Details

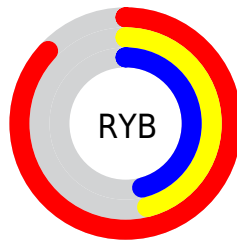
The XYZ color **39.8135, 29.7708, 20.4776** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **46.3759, 60.7657, 78.3917**, and the grayscale version is **28.6062, 30.0959, 32.7745**.

A 20% lighter version of the original color is **63.1540, 53.6296, 44.5591**, and **18.1266, 12.1126, 7.0128** is the 20% darker color. If you saturate the color by 10%, you get **36.3652, 24.7214, 13.6342**, and if you desaturate by 10%, it is **44.1762, 36.1539, 29.1532**.

Distribution



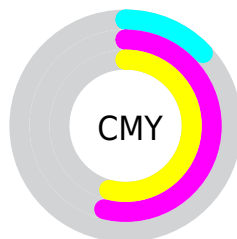
- Red (87%)
- Green (46%)
- Blue (46%)



- Red (87%)
- Yellow (46%)
- Blue (46%)



- Cyan (0%)
- Magenta (47%)
- Yellow (47%)
- Black (13%)





- Cyan (13%)
- Magenta (54%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8135, 29.7708, 20.4776 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 39.8135, 29.7708, 20.4776 by changing the saturation by 10% instead.


 39.8135, 29.7708,
20.4776


 39.8135, 29.7708,
20.4776


336.4848,
300.8346, 267.1783


 27.5767, 19.6647,
12.5552


 74.1656, 59.2995,
45.0859

 18.1457, 12.1515,
6.9959


 97.0116, 79.4909,
62.6089

 11.1549, 6.8470,
3.3811


 124.1247,
103.8129, 84.1692

 6.2392, 3.3666,
1.2924

155.8704,
132.6498, 110.1852

 3.0331, 1.3260,
0.0555

192.6138,
166.3860, 141.0756

 1.1713, 0.1612,
0.0000

234.7205,

 0.0835, 0.0000,

205.4059, 177.2589

0.0000

282.5557,
250.0940, 219.1536

■ 0.0000, 0.0000,
0.0000

■ 39.8135, 29.7708,
20.4776

■ 39.8135, 29.7708,
20.4776

■ 36.3652, 24.7214,
13.6342

■ 44.1762, 36.1539,
29.1532

■ 33.7644, 20.9071,
8.4901

■ 49.5096, 43.9510,
39.7779

■ 31.9385, 18.2233,
4.8973


■ 55.8680, 53.2415,
52.4605


■ 30.8018, 16.5458,
2.6815


■ 63.3012, 64.0976,
67.3015

■ 30.2446, 15.7179,
1.6121

■ 71.8557, 76.5867,
84.3950

 30.1472, 15.5757,
1.4175

 81.5751, 90.7725,
103.8291

 83.9341, 94.2695,
108.3798

Harmonies

Analogous

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



41.1324, 29.7708, 35.1903



39.8135, 29.7708, 20.4776



35.2519, 29.7708, 12.4228

Triad

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



39.8135, 29.7708, 20.4776



19.9848, 29.7708, 17.2246



27.3641, 29.7708, 76.6045

Complementary

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



39.8135, 29.7708, 20.4776



46.3759, 60.7657, 78.3917

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.



22.3216, 29.7708, 66.9706



39.8135, 29.7708, 20.4776



18.4541, 29.7708, 29.7902

Square

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



39.8135, 29.7708, 20.4776



23.7446, 29.7708, 11.0523



19.2465, 29.7708, 48.2724



33.3953, 29.7708, 71.4455

Rectangle

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



39.8135, 29.7708, 20.4776



31.2812, 29.7708, 10.0971



19.2465, 29.7708, 48.2724



25.5075, 29.7708, 74.9152

Sweetspot

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



39.8143, 29.7723, 20.4781



79.5650, 77.3889, 77.9691



49.6703, 33.5263, 72.9603



16.5769, 15.9023, 15.7838



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.



39.8143, 29.7723, 20.4781



49.7245, 33.7562, 18.5470



47.6163, 45.3764, 23.0788



13.7177, 13.7214, 14.2323



17.9115, 9.2609, 0.8435



1.2453, 0.6494, 0.0597

Inverse Universe

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



46.3759, 60.7657, 78.3917



59.7545, 81.1477, 107.1214



34.8023, 37.6184, 74.5338



14.1048, 15.5486, 17.6455



23.0188, 33.5072, 46.3027



1.5992, 2.3299, 3.2107

Previews

White Background



This preview shows how the XYZ color 39.8135, 29.7708, 20.4776 looks on a white background.

Color Contrast Check

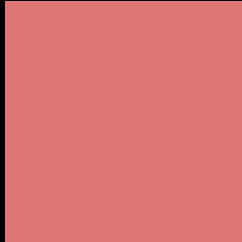
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.8135, 29.7708, 20.4776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

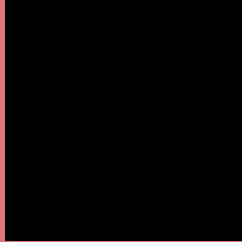
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.8135, 29.7708, 20.4776

Background



This preview shows how black text looks on a background with the XYZ color 39.8135, 29.7708, 20.4776.



This preview shows how white text looks on a background with the XYZ color 39.8135, 29.7708,

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

39.8135, 29.7708, 20.4776

Protanopia

28.2723, 29.8143, 26.0944

Deuteranopia

30.4823, 29.9511, 19.7973



Tritanopia

40.4944, 29.8912, 23.0373

Trichromacy



Original Color

39.8135, 29.7708, 20.4776

Protanomaly

31.3668, 29.0073, 24.0244

Deuteranomaly

33.3006, 29.4716, 19.8530

Tritanomaly

40.3056, 29.8157, 22.0430

Monochromacy



Original Color

39.8135, 29.7708, 20.4776

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

31.5083, 29.2132, 27.6450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8135, 29.7708, 20.4776 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(222, 118, 117)` looks like.

```
.text, #text, p{  
    color:rgb(222, 118, 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(222, 118, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 118, 117) }
```

Border

The CSS property to change the border of an element to XYZ 39.8135, 29.7708, 20.4776 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(222, 118, 117) }
```


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

```
.border{ border-color:rgb(222, 118, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 118, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 118, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 118, 117);  
box-shadow:4px 4px 4px 4px rgb(222, 118,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8135, 29.7708, 20.4776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 118, 117) }
```

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

```
.background{ background-color: rgb(222,  
118, 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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