

Converting Colors

XYZ(37.4797, 28.8905, 20.5791)

Have a look what the booklet for
XYZ(37.4797, 28.8905, 20.5791)
contains.

| | |
|--|----|
| XYZ(37.3679, 28.8634, 20.4313) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(37.3679, 28.8634,
20.4313)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | D57875 |
| RGB | 213, 120, 117 |
| RGB Percent | 84%, 47%, 46% |
| CMY | 0.1647, 0.5294, 0.5412 |
| CMYK | 0.00, 0.44, 0.45, 0.16 |
| HSL | 2°, 53%, 65% |
| HSV | 2°, 45%, 84% |
| XYZ | 37.3679, 28.8634, 20.4313 |
| YIQ | 147.4650, 56.3910, 18.7830 |

Conversions

Conversions Part 2

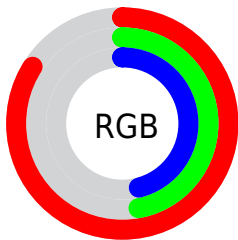
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 213, 120, 117 |
| Decimal | 13990005 |
| CIE Lab | 60.66, 35.85, 17.67 |
| CIE LCh | 61, 39.973, 26.240 |
| Yxy | 28.8634, 0.4312, 0.3331 |
| Android (android.graphics.Color) | 4292180085 (0xFFD57875) |
| YUV | 147.4650, -15.0192, 57.4742 |
| Hunter-Lab | 53.7247, 30.1365, 15.0595 |

Details

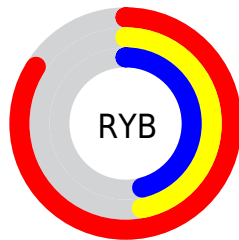
The XYZ color **37.3679, 28.8634, 20.4313** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **42.3917, 54.6766, 71.2700**, and the grayscale version is **27.9705, 29.4271, 32.0461**.

A 20% lighter version of the original color is **63.5375, 54.3967, 44.6869**, and **16.7199, 11.6545, 6.9985** is the 20% darker color. If you saturate the color by 10%, you get **34.0353, 23.9796, 13.8289**, and if you desaturate by 10%, it is **41.5215, 34.9333, 28.7135**.

Distribution



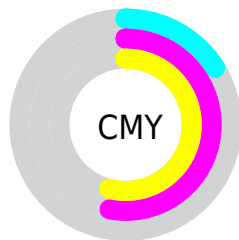
- Red (84%)
- Green (47%)
- Blue (46%)



- Red (84%)
- Yellow (47%)
- Blue (46%)



- Cyan (0%)
- Magenta (44%)
- Yellow (45%)
- Black (16%)





- Cyan (16%)
- Magenta (53%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3679, 28.8634, 20.4313 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 37.3679, 28.8634, 20.4313 by changing the saturation by 10% instead.


 37.3679, 28.8634,
20.4313


 37.3679, 28.8634,
20.4313


326.2285,
296.5699, 266.9216


 25.6674, 18.9775,
12.5218


 70.4484, 57.8600,
45.0076

 16.7064, 11.6540,
6.9732


 92.5592, 77.7395,
62.5113

 10.1194, 6.5086,
3.3672


 118.8708,
101.7189, 84.0503

 5.5411, 3.1567,
1.2850

149.7486,
130.1828, 110.0430

 2.6061, 1.2141,
0.0495

185.5579,
163.5154, 140.9079

 0.9490, 0.0732,
0.0000

226.6641,

 0.0000, 0.0000,

202.1012, 177.0636

0.0000

273.4325,
246.3246, 218.9287

■ 37.3679, 28.8634,
20.4313

■ 37.3679, 28.8634,
20.4313

■ 34.0353, 23.9796,
13.8289

■ 41.5215, 34.9333,
28.7135

■ 31.4673, 20.2004,
8.7902

■ 46.5433, 42.2553,
38.7779

■ 29.6039, 17.4409,
5.1865


■ 52.4794, 50.8955,
50.7206


■ 28.3749, 15.6021,
2.8683


■ 59.3722, 60.9143,
64.6302

■ 27.6960, 14.5651,
1.6533

■ 67.2611, 72.3682,
80.5900

 27.5129, 14.2908,
1.3083

 76.1836, 85.3108,
98.6781

 81.2505, 92.8861,
108.2542

Harmonies

Analogous

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



38.6159, 28.8634, 33.3347



37.3679, 28.8634, 20.4313



33.3468, 28.8634, 13.1828

Triad

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



37.3679, 28.8634, 20.4313



19.9612, 28.8634, 18.0958



26.7860, 28.8634, 69.3291

Complementary

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



37.3679, 28.8634, 20.4313



42.3917, 54.6766, 71.2700

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.



22.2646, 28.8634, 61.5921



37.3679, 28.8634, 20.4313



18.6501, 28.8634, 29.5942

Square

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



37.3679, 28.8634, 20.4313



23.2632, 28.8634, 12.1625



19.4376, 28.8634, 45.7946



32.0753, 28.8634, 64.5673

Rectangle

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



37.3679, 28.8634, 20.4313



29.8707, 28.8634, 11.0711



19.4376, 28.8634, 45.7946



25.1331, 28.8634, 68.0542

Sweetspot

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



37.3686, 28.8649, 20.4318



79.7687, 77.7961, 78.0370



45.6100, 31.5921, 65.5851



16.6256, 15.9996, 15.8000



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.



37.3686, 28.8649, 20.4318



51.3804, 36.3750, 21.2353



44.3970, 42.9217, 22.7746



12.4541, 12.4824, 12.9137



16.8200, 8.7572, 0.8038



1.0257, 0.5506, 0.0522

Inverse Universe

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



42.3917, 54.6766, 71.2700



59.8268, 79.8232, 106.8620



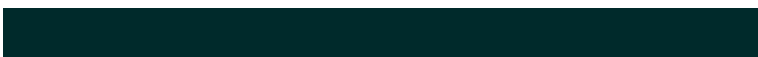
32.5148, 34.9228, 67.9777



12.7573, 14.0380, 15.9747



20.8822, 30.0262, 43.1482



1.2702, 1.8324, 2.6061

Previews

White Background



This preview shows how the XYZ color 37.3679, 28.8634, 20.4313 looks on a white background.

Color Contrast Check

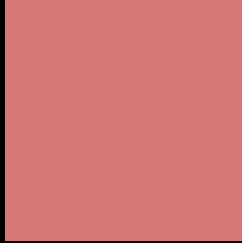
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3679, 28.8634, 20.4313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

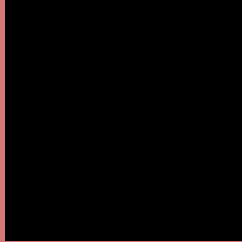
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3679, 28.8634, 20.4313

Background



This preview shows how black text looks on a background with the XYZ color 37.3679, 28.8634, 20.4313.



This preview shows how white text looks on a background with the XYZ color 37.3679, 28.8634,

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

37.3679, 28.8634, 20.4313

Protanopia

27.4450, 28.9418, 25.2589

Deuteranopia

29.5188, 29.0127, 19.6670



Tritanopia

38.0408, 28.7853, 23.6298

Trichromacy



Original Color

37.3679, 28.8634, 20.4313

Protanomaly

30.3265, 28.4859, 23.3020

Deuteranomaly

31.9183, 28.5548, 19.7489

Tritanomaly

37.9035, 28.9199, 22.3232

Monochromacy



Original Color

37.3679, 28.8634, 20.4313

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.1842, 28.3268, 27.1693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3679, 28.8634, 20.4313 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(213, 120, 117)` looks like.

```
.text, #text, p{  
    color:rgb(213, 120, 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(213, 120, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 120, 117) }
```

Border

The CSS property to change the border of an element to XYZ 37.3679, 28.8634, 20.4313 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(213, 120, 117) }
```


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

```
.border{ border-color:rgb(213, 120, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 120, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 120, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 120, 117); box-shadow:4px 4px 4px 4px rgb(213, 120, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3679, 28.8634, 20.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 120, 117) }
```

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

```
.background{ background-color: rgb(213,  
120, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor