

Converting Colors

XYZ(37.8719, 28.7788, 15.0783)

Have a look what the booklet for
XYZ(37.8719, 28.7788, 15.0783)
contains.

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Color

**XYZ(37.7793, 28.6645,
15.0969)**

Conversions

Conversions Part 1

Format	Color
Hex	DB7562
RGB	219, 117, 98
RGB Percent	86%, 46%, 38%
CMY	0.1412, 0.5412, 0.6157
CMYK	0.00, 0.47, 0.55, 0.14
HSL	9°, 63%, 62%
HSV	9°, 55%, 86%
XYZ	37.7793, 28.6645, 15.0969
YIQ	145.3320, 66.8910, 15.7150

Conversions

Conversions Part 2

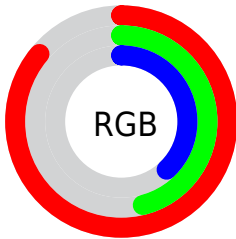
Format	Color
RYB	219, 121, 98
Decimal	14382434
CIELab	60.48, 37.95, 28.35
CIElCh	60, 47.376, 36.762
Yxy	28.6645, 0.4633, 0.3515
Android (android.graphics.Color)	4292572514 (0xFFDB7562)
YUV	145.3320, -23.3347, 64.6068
Hunter-Lab	53.5392, 32.2626, 20.7590

Details

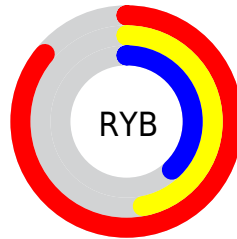
The XYZ color **37.7793, 28.6645, 15.0969** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **38.4761, 49.0169, 74.4508**, and the grayscale version is **27.1225, 28.5350, 31.0746**.

A 20% lighter version of the original color is **61.2277, 52.5557, 35.3510**, and **17.0430, 11.6090, 4.4745** is the 20% darker color. If you saturate the color by 10%, you get **34.9403, 24.4212, 9.7281**, and if you desaturate by 10%, it is **41.3267, 33.8721, 22.0977**.

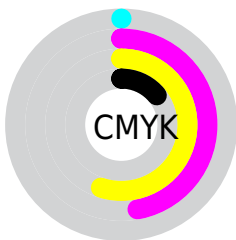
Distribution



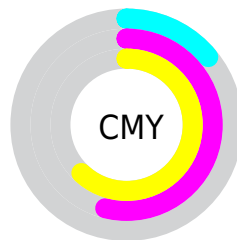
- Red (86%)
- Green (46%)
- Blue (38%)



- Red (86%)
- Yellow (47%)
- Blue (38%)



- Cyan (0%)
- Magenta (47%)
- Yellow (55%)
- Black (14%)



- Cyan (14%)
- Magenta (54%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7793, 28.6645, 15.0969 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 37.7793, 28.6645, 15.0969 by changing the saturation by 10% instead.


 37.7793, 28.6645,
15.0969


 37.7793, 28.6645,
15.0969


327.9695,
295.6287, 235.6129


 25.9879, 18.8272,
8.7400


 71.0758, 57.5436,
35.7678

 16.9472, 11.5455,
4.4775


 93.3116, 77.3542,
50.9189

 10.2919, 6.4350,
1.8908


 119.7596,
101.2580, 69.8385

 5.6567, 3.1113,
0.4869

 150.7851,
129.6393, 92.9452

 2.6761, 1.1901,
0.0000

186.7535,
162.8827, 120.6574

 0.9849, 0.0536,
0.0000

228.0301,

 0.0000, 0.0000,

201.3724, 153.3937

0.0000

274.9804,
245.4930, 191.5727

■ 37.7793, 28.6645,
15.0969

■ 37.7793, 28.6645,
15.0969

■ 34.9403, 24.4212,
9.7281

■ 41.3267, 33.8721,
22.0977

■ 32.7589, 21.0782,
5.8568

■ 45.6243, 40.0941,
30.8472

■ 31.1805, 18.5707,
3.3292

■ 50.7134, 47.3821,
41.4533

■ 30.1402, 16.8227,
1.9573

■ 56.6313, 55.7831,
54.0147

■ 29.7968, 16.2270,
1.5617

■ 63.4130, 65.3413,
68.6230

■ 71.0915, 76.0983,
85.3640

■ 79.6982, 88.0938,
104.3188

■ 83.0233, 93.8000,
108.3372

Harmonies

Analogous

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



40.6523, 28.6645, 27.4151



37.7793, 28.6645, 15.0969



32.1467, 28.6645, 9.3822

Triad

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



37.7793, 28.6645, 15.0969



17.8145, 28.6645, 19.7311



28.6513, 28.6645, 77.9498

Complementary

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



37.7793, 28.6645, 15.0969



38.4761, 49.0169, 74.4508

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.



22.8683, 28.6645, 73.4468



37.7793, 28.6645, 15.0969



17.1662, 28.6645, 35.3415

Square

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



37.7793, 28.6645, 15.0969



20.8024, 28.6645, 11.2742



18.8768, 28.6645, 55.9822



34.8963, 28.6645, 66.6597

Rectangle

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



37.7793, 28.6645, 15.0969



27.9136, 28.6645, 8.2322



18.8768, 28.6645, 55.9822



26.5867, 28.6645, 78.2822

Sweetspot

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



37.7800, 28.6660, 15.0974



78.2702, 76.3771, 72.6731



44.1060, 28.0055, 58.2467



16.3799, 15.8190, 14.7604



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.



37.7800, 28.6660, 15.0974



48.8683, 33.7837, 12.8980



47.0710, 47.2481, 18.1944



13.2204, 13.3801, 13.6114



17.7195, 9.7247, 0.9431



1.2005, 0.7350, 0.0786

Inverse Universe

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



38.4761, 49.0169, 74.4508



49.8515, 65.0298, 104.5323



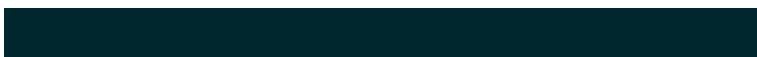
27.2526, 26.5700, 70.7096



13.2616, 14.4630, 16.7448



17.8857, 23.6409, 43.3589



1.2066, 1.6273, 2.8249

Previews

White Background



This preview shows how the XYZ color 37.7793, 28.6645, 15.0969 looks on a white background.

Color Contrast Check

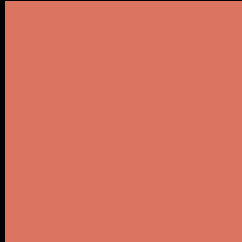
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7793, 28.6645, 15.0969 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 37.7793, 28.6645, 15.0969

Background



This preview shows how black text looks on a background with the XYZ color 37.7793, 28.6645, 15.0969.



This preview shows how white text looks on a background with the XYZ color 37.7793, 28.6645,

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

37.7793, 28.6645, 15.0969

Protanopia

26.9980, 28.8517, 18.8978

Deuteranopia

29.3030, 28.7944, 14.6031



Tritanopia

39.3490, 28.8119, 21.8997

Trichromacy



Original Color

37.7793, 28.6645, 15.0969

Protanomaly

30.0879, 28.0719, 17.4683

Deuteranomaly

32.0551, 28.5352, 14.6448

Tritanomaly

38.6266, 28.6694, 19.1207

Monochromacy



Original Color

37.7793, 28.6645, 15.0969

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.5735, 27.6571, 24.2017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7793, 28.6645, 15.0969 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(219, 117, 98)` looks like.

```
.text, #text, p{  
    color:rgb(219, 117, 98)  
}
```

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(219, 117, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 117, 98) }
```

Border

The CSS property to change the border of an element to XYZ 37.7793, 28.6645, 15.0969 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(219, 117, 98) }
```


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

```
.border{ border-color:rgb(219, 117, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 117, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 117, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 117, 98);  
box-shadow:4px 4px 4px 4px rgb(219, 117,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7793, 28.6645, 15.0969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 117, 98) }
```

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

```
.background{ background-color: rgb(219,  
117, 98) }
```

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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