

Converting Colors

XYZ(33.0930, 21.8367, 15.0539)

Have a look what the booklet for
XYZ(33.0930, 21.8367, 15.0539)
contains.

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Color

**XYZ(32.9578, 21.7727,
15.0359)**

Conversions

Conversions Part 1

Format	Color
Hex	D45766
RGB	212, 87, 102
RGB Percent	83%, 34%, 40%
CMY	0.1686, 0.6588, 0.6000
CMYK	0.00, 0.59, 0.52, 0.17
HSL	353°, 59%, 59%
HSV	353°, 59%, 83%
XYZ	32.9578, 21.7727, 15.0359
YIQ	126.0850, 69.6850, 31.1650

Conversions

Conversions Part 2

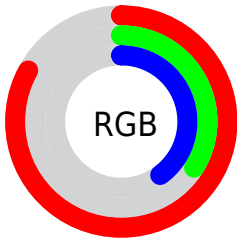
Format	Color
R_{YB}	212, 87, 102
Decimal	13916006
CIE _{Lab}	53.79, 50.47, 16.94
CIE _{LCh}	54, 53.242, 18.556
Yxy	21.7727, 0.4724, 0.3121
Android (android.graphics.Color)	4292106086 (0xFFD45766)
YUV	126.0850, -11.8739, 75.3475
Hunter-Lab	46.6612, 44.4211, 13.5575

Details

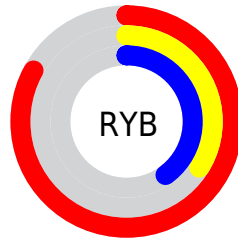
The XYZ color **32.9578, 21.7727, 15.0359** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted rose. A complement of this color would be **37.5533, 53.1448, 61.1057**, and the grayscale version is **19.8834, 20.9189, 22.7807**.

A 20% lighter version of the original color is **56.5146, 42.6097, 35.3828**, and **14.1028, 7.8798, 4.3921** is the 20% darker color. If you saturate the color by 10%, you get **30.6629, 18.5008, 10.2083**, and if you desaturate by 10%, it is **35.9659, 26.1380, 21.1288**.

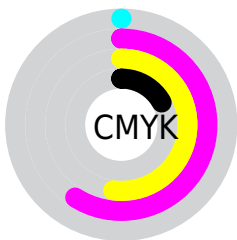
Distribution



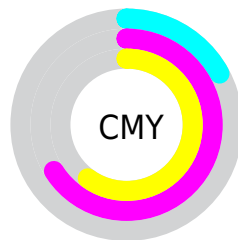
- Red (83%)
- Green (34%)
- Blue (40%)



- Red (83%)
- Yellow (34%)
- Blue (40%)



- Cyan (0%)
- Magenta (59%)
- Yellow (52%)
- Black (17%)



- Cyan (17%)
- Magenta (66%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9578, 21.7727, 15.0359 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 32.9578, 21.7727, 15.0359 by changing the saturation by 10% instead.

■ 32.9578, 21.7727,
15.0359

■ 32.9578, 21.7727,
15.0359

307.1279,
261.3570, 235.2317

■ 22.2532, 13.6900,
8.6977

■ 63.6648, 46.3700,
35.6593

■ 14.1607, 7.9054,
4.4504

■ 84.3978, 63.6534,
50.7816

■ 8.3150, 4.0344,
1.8755

■ 109.2044, 84.7725,
69.6691

■ 4.3506, 1.6929,
0.4771

■ 138.4499,
110.1117, 92.7401

■ 1.9024, 0.4190,
0.0000

172.4997,
140.0553, 120.4134

■ 0.5782, 0.0000,
0.0000

211.7190,

■ 0.0000, 0.0000,

174.9878, 153.1074

0.0000

256.4733,
215.2935, 191.2406

■ 32.9578, 21.7727,
15.0359

■ 32.9578, 21.7727,
15.0359

■ 30.6629, 18.5008,
10.2083

■ 35.9659, 26.1380,
21.1288

■ 29.0198, 16.2220,
6.5553

■ 39.7385, 31.6783,
28.5669

■ 27.9595, 14.8236,
3.9755

■ 44.3238, 38.4716,
37.4246

■ 27.3774, 14.1258,
2.3433

■ 49.7659, 46.5882,
47.7705

■ 27.3314, 14.0690,
2.2193

■ 56.1054, 56.0931,
59.6691

■ 63.3805, 67.0471,
73.1805

■ 71.6270, 79.5073,
88.3622

■ 80.3642, 92.4982,
105.0968

■ 80.9612, 92.7370,
108.2407

Harmonies

Analogous

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



33.4412, 21.7727, 30.5155



32.9578, 21.7727, 15.0359



28.8532, 21.7727, 7.0759

Triad

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



32.9578, 21.7727, 15.0359



13.5016, 21.7727, 8.3816



18.5896, 21.7727, 69.8645

Complementary

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



32.9578, 21.7727, 15.0359



37.5533, 53.1448, 61.1057

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.



14.2397, 21.7727, 55.9880



32.9578, 21.7727, 15.0359



11.6843, 21.7727, 17.9945

Square

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



32.9578, 21.7727, 15.0359



17.3906, 21.7727, 4.6373



11.9270, 21.7727, 35.1982



24.3919, 21.7727, 67.8083

Rectangle

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



32.9578, 21.7727, 15.0359



24.9774, 21.7727, 4.8226



11.9270, 21.7727, 35.1982



16.9312, 21.7727, 66.7207

Sweetspot

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



32.9583, 21.7739, 15.0363



76.2802, 71.7961, 73.8625



37.8845, 23.2177, 64.7718



15.7705, 14.5353, 14.7577



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.



32.9583, 21.7739, 15.0363



45.7815, 26.9893, 13.7829



37.2372, 31.4159, 13.1197



12.4833, 12.4448, 13.2191



16.8926, 8.6934, 1.4728



1.0395, 0.5326, 0.1973

Inverse Universe

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



32.9583, 21.7739, 15.0363



45.7815, 26.9893, 13.7829



29.4817, 34.1140, 67.3178



12.4833, 12.4448, 13.2191



16.8926, 8.6934, 1.4728



1.0395, 0.5326, 0.1973

Previews

White Background



This preview shows how the XYZ color 32.9578, 21.7727, 15.0359 looks on a white background.

Color Contrast Check

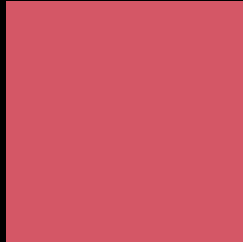
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.9578, 21.7727, 15.0359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

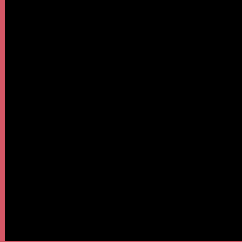
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.9578, 21.7727, 15.0359

Background



This preview shows how black text looks on a background with the XYZ color 32.9578, 21.7727, 15.0359.



This preview shows how white text looks on a background with the XYZ color 32.9578, 21.7727,

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

32.9578, 21.7727, 15.0359

Protanopia

21.0360, 22.0922, 21.5679

Deuteranopia

22.2679, 21.9352, 14.1266



Tritanopia

32.6615, 21.7846, 13.0731

Trichromacy



Original Color

32.9578, 21.7727, 15.0359

Protanomaly

24.0121, 20.9538, 18.9986

Deuteranomaly

25.3446, 21.2494, 14.3210

Tritanomaly

32.7988, 21.8396, 13.7960

Monochromacy



Original Color

32.9578, 21.7727, 15.0359

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

22.9097, 20.0408, 19.4904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9578, 21.7727, 15.0359 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(212, 87, 102)` looks like.

```
.text, #text, p{  
  color:rgb(212, 87, 102)  
}
```

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(212, 87, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 87, 102) }
```

Border

The CSS property to change the border of an element to XYZ 32.9578, 21.7727, 15.0359 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(212, 87, 102) }
```


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

```
.border{ border-color:rgb(212, 87, 102) }
```

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

Here you see how a box with a 4 pixel rgb(212, 87, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 87, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 87, 102);  
box-shadow:4px 4px 4px 4px rgb(212, 87,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9578, 21.7727, 15.0359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 87, 102) }
```

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

```
.background{ background-color: rgb(212, 87,  
102) }
```

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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