

Converting Colors

XYZ(27.6781, 14.7102, 12.5542)

Have a look what the booklet for
XYZ(27.6781, 14.7102, 12.5542)
contains.

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Color

**XYZ(27.7524, 14.7522,
12.4511)**

Conversions

Conversions Part 1

Format	Color
Hex	CD1E60
RGB	205, 30, 96
RGB Percent	80%, 12%, 38%
CMY	0.1961, 0.8823, 0.6235
CMYK	0.00, 0.85, 0.53, 0.20
HSL	337°, 74%, 46%
HSV	337°, 85%, 80%
XYZ	27.7524, 14.7522, 12.4511
YIQ	89.8490, 83.1140, 57.6260

Conversions

Conversions Part 2

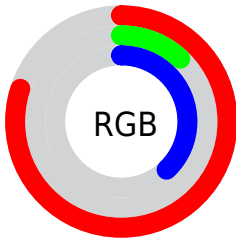
Format	Color
R_{YB}	205, 30, 96
Decimal	13442656
CIE _{Lab}	45.29, 67.52, 8.60
CIE _{LCh}	45, 68.061, 7.260
Yxy	14.7522, 0.5050, 0.2684
Android (android.graphics.Color)	4291632736 (0xFFCD1E60)
YUV	89.8490, 3.0324, 100.9874
Hunter-Lab	38.4086, 61.7614, 7.6657

Details

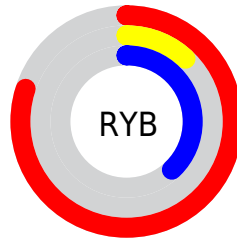
The XYZ color **27.7524, 14.7522, 12.4511** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed rose. A complement of this color would be **27.0286, 45.8033, 31.8491**, and the grayscale version is **9.6667, 10.1702, 11.0753**.

A 20% lighter version of the original color is **50.7030, 31.8847, 30.6761**, and **12.0773, 6.1596, 3.5700** is the 20% darker color. If you saturate the color by 10%, you get **26.8503, 13.8138, 9.4815**, and if you desaturate by 10%, it is **29.0875, 16.4040, 16.0364**.

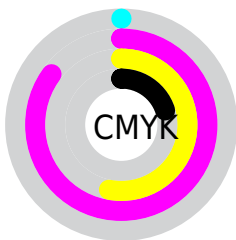
Distribution



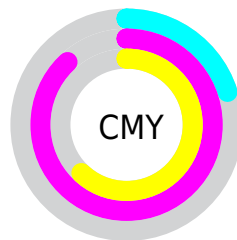
- Red (80%)
- Green (12%)
- Blue (38%)



- Red (80%)
- Yellow (12%)
- Blue (38%)



- Cyan (0%)
- Magenta (85%)
- Yellow (53%)
- Black (20%)





- Cyan (20%)
- Magenta (88%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7524, 14.7522, 12.4511 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 27.7524, 14.7522, 12.4511 by changing the saturation by 10% instead.


 27.7524, 14.7522,
12.4511


 27.7524, 14.7522,
12.4511


283.3835,
221.8614, 218.4521

 18.2786, 8.6457,
6.9254


 55.5003, 34.4179,
30.9907


 11.2511, 4.5108,
3.3378


 74.5051, 48.7458,
44.8416


 6.3045, 1.9632,
1.2696


 97.4177, 66.5830,
62.3048

 3.0735, 0.5860,
0.0367

 124.6033, 88.3138,
83.7986

 1.1928, 0.0000,
0.0000

 156.4273,
114.3227, 109.7418

 0.1006, 0.0000,
0.0000

 193.2551,

 0.0000, 0.0000,

144.9939, 140.5527

0.0000

235.4520,
180.7121, 176.6499

■ 27.7524, 14.7522,
12.4511

■ 27.7524, 14.7522,
12.4511

■ 26.8503, 13.8138,
9.4815

■ 29.0875, 16.4040,
16.0364

■ 26.5269, 13.5192,
8.2884

■ 30.9155, 18.8816,
20.2784

■ 33.2870, 22.2800,
25.2138

■ 36.2456, 26.6805,
30.8760

■ 39.8304, 32.1552,
37.2960

■ 44.0769, 38.7698,
44.5025

■ 49.0179, 46.5845,
52.5227

■ 54.6838, 55.6552,
61.3826

■ 61.1035, 66.0343,
71.1065

Harmonies

Analogous

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



26.5785, 14.7522, 31.2937



27.7524, 14.7522, 12.4511



24.5356, 14.7522, 3.6472

Triad

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



27.7524, 14.7522, 12.4511



8.4308, 14.7522, 1.8599



10.2360, 14.7522, 65.0533

Complementary

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



27.7524, 14.7522, 12.4511



27.0286, 45.8033, 31.8491

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.



7.0443, 14.7522, 43.1315



27.7524, 14.7522, 12.4511



6.2138, 14.7522, 6.8048

Square

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



27.7524, 14.7522, 12.4511



12.6961, 14.7522, 0.7394



5.7849, 14.7522, 20.3126



15.4361, 14.7522, 70.7067

Rectangle

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



27.7524, 14.7522, 12.4511



20.7367, 14.7522, 1.5459



5.7849, 14.7522, 20.3126



8.9394, 14.7522, 58.8630

Sweetspot

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



27.7528, 14.7531, 12.4513



71.4725, 62.3660, 71.6888



21.9527, 10.7340, 58.6721



14.7568, 12.5027, 14.4357



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.



27.7528, 14.7531, 12.4513



43.3585, 22.1074, 13.0859



26.5705, 15.3913, 2.7999



11.3844, 11.2825, 12.5588



16.5568, 8.4333, 5.3850



0.8907, 0.4497, 0.4705

Inverse Universe

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



27.7528, 14.7531, 12.4513



43.3585, 22.1074, 13.0859



28.8176, 39.2086, 63.8065



11.3844, 11.2825, 12.5588



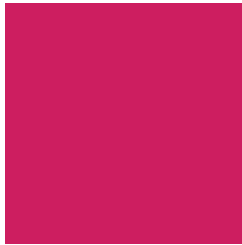
16.5568, 8.4333, 5.3850



0.8907, 0.4497, 0.4705

Previews

White Background



This preview shows how the XYZ color 27.7524, 14.7522, 12.4511 looks on a white 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

Black Background



This preview shows how the XYZ color 27.7524, 14.7522, 12.4511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

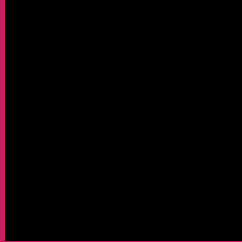
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.7524, 14.7522, 12.4511

Background



This preview shows how black text looks on a background with the XYZ color 27.7524, 14.7522, 12.4511.



This preview shows how white text looks on a background with the XYZ color 27.7524, 14.7522,

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

27.7524, 14.7522, 12.4511

Protanopia

15.1104, 15.0894, 25.0378

Deuteranopia

15.3160, 15.0408, 11.3285



Tritanopia

26.1187, 14.8557, 4.1802

Trichromacy



Original Color

27.7524, 14.7522, 12.4511

Protanomaly

16.8946, 12.4614, 19.6040

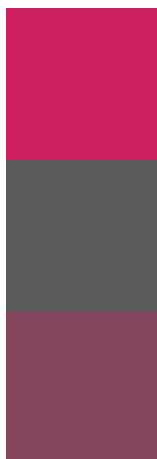
Deuteranomaly

18.0598, 13.0316, 11.4610

Tritanomaly

26.6148, 14.7366, 6.4427

Monochromacy



Original Color

27.7524, 14.7522, 12.4511

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

13.5146, 9.8125, 11.3069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7524, 14.7522, 12.4511 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(205, 30, 96)` looks like.

```
.text, #text, p{  
    color:rgb(205, 30, 96)  
}
```

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(205, 30, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 30, 96) }
```

Border

The CSS property to change the border of an element to XYZ 27.7524, 14.7522, 12.4511 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(205, 30, 96) }
```


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

```
.border{ border-color:rgb(205, 30, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 30, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 30, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 30, 96);  
box-shadow:4px 4px 4px 4px rgb(205, 30,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7524, 14.7522, 12.4511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 30, 96) }
```

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

```
.background{ background-color: rgb(205, 30,  
96) }
```

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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