

Converting Colors

XYZ(30.5687, 15.3523, 19.7923)

Have a look what the booklet for
XYZ(30.5687, 15.3523, 19.7923)
contains.

XYZ(30.6642, 15.4022, 19.7691)	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(30.6642, 15.4022,
19.7691)**

Conversions

Conversions Part 1

Format	Color
Hex	D4007A
RGB	212, 0, 122
RGB Percent	83%, 0%, 48%
CMY	0.1686, 0.9998, 0.5216
CMYK	0.00, 1.00, 0.42, 0.17
HSL	325°, 100%, 42%
HSV	325°, 100%, 83%
XYZ	30.6642, 15.4022, 19.7691
YIQ	77.2960, 87.1900, 82.8860

Conversions

Conversions Part 2

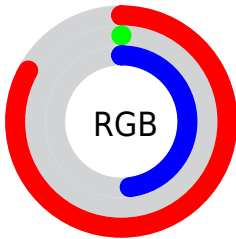
Format	Color
R_{YB}	212, 0, 122
Decimal	13893754
CIE _{Lab}	46.18, 74.91, -6.04
CIE _{LCh}	46, 75.152, 355.388
Yxy	15.4022, 0.4658, 0.2339
Android (android.graphics.Color)	4292083834 (0xFFD4007A)
YUV	77.2960, 22.0391, 118.1354
Hunter-Lab	39.2456, 70.7894, -2.3940

Details

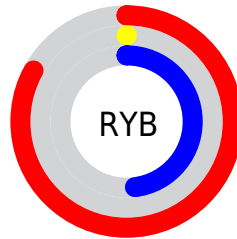
The XYZ color **30.6642, 15.4022, 19.7691** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **25.3912, 47.8260, 17.5755**, and the grayscale version is **7.0625, 7.4303, 8.0916**.

A 20% lighter version of the original color is **52.5361, 31.6283, 43.3803**, and **13.9985, 7.0737, 7.1061** is the 20% darker color. If you saturate the color by 10%, you get **30.6630, 15.4017, 19.7632**, and if you desaturate by 10%, it is **31.5208, 16.1811, 22.9354**.

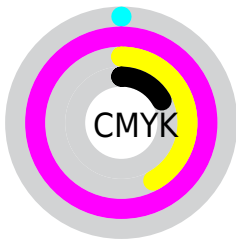
Distribution



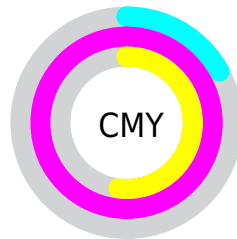
- Red (83%)
- Green (0%)
- Blue (48%)



- Red (83%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6642, 15.4022, 19.7691 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 30.6642, 15.4022, 19.7691 by changing the saturation by 10% instead.


 30.6642, 15.4022,
19.7691


 30.6642, 15.4022,
19.7691


296.8429,
225.7879, 263.2251


 20.4939, 9.1021,
12.0449


 60.0904, 35.5572,
43.8836


 12.8649, 4.8079,
6.6514


 80.0771, 50.1810,
61.1110


 7.4119, 2.1350,
3.1699


 104.0665, 68.3481,
82.3432

 3.7696, 0.6842,
1.1820

 132.4240, 90.4430,
107.9987

 1.5726, 0.0000,
0.0000

 165.5151,
116.8500, 138.4961

 0.3745, 0.0000,
0.0000

 203.7050,

 0.0000, 0.0000,

147.9536, 174.2540

0.0000

247.3592,
184.1381, 215.6908

■ 30.6642, 15.4022,
19.7691

■ 30.6642, 15.4022,
19.7691

■ 30.6630, 15.4017,
19.7632

■ 31.5208, 16.1811,
22.9354

■ 32.7290, 17.5781,
26.4803

■ 34.3899, 19.7938,
30.4442

■ 36.5597, 22.9383,
34.8517

■ 39.2857, 27.1044,
39.7248

■ 42.6097, 32.3737,
45.0830

■ 46.5692, 38.8195,
50.9445

■ 51.1985, 46.5086,
57.3261

■ 56.5294, 55.5029,
64.2439

Harmonies

Analogous

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



27.2932, 15.4022, 45.8384



30.6642, 15.4022, 19.7691



28.8208, 15.4022, 5.7388

Triad

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



30.6642, 15.4022, 19.7691



9.9688, 15.4022, 0.8199



8.6994, 15.4022, 65.7627

Complementary

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



30.6642, 15.4022, 19.7691



25.3912, 47.8260, 17.5755

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.



6.0943, 15.4022, 36.8911



30.6642, 15.4022, 19.7691



6.6633, 15.4022, 3.6555

Square

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



30.6642, 15.4022, 19.7691



15.6520, 15.4022, 0.3295



5.4757, 15.4022, 14.0914



13.6713, 15.4022, 82.2075

Rectangle

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



30.6642, 15.4022, 19.7691



25.1027, 15.4022, 2.1086



5.4757, 15.4022, 14.0914



7.5821, 15.4022, 56.4894

Sweetspot

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



30.6646, 15.4031, 19.7693



70.5143, 58.6018, 77.0659



15.9426, 6.8466, 62.7684



14.5216, 11.6079, 15.6654



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.



30.6646, 15.4031, 19.7693



46.4848, 23.3579, 29.5487



27.2586, 14.0407, 1.8332



12.7197, 12.5394, 14.4644



18.9810, 9.5287, 12.4697



1.1859, 0.5911, 0.9681

Inverse Universe

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



30.6646, 15.4031, 19.7693



46.4848, 23.3579, 29.5487



33.3194, 50.9973, 59.3248



12.7197, 12.5394, 14.4644



18.9810, 9.5287, 12.4697



1.1859, 0.5911, 0.9681

Previews

White Background



This preview shows how the XYZ color 30.6642, 15.4022, 19.7691 looks on a white background.

Color Contrast Check

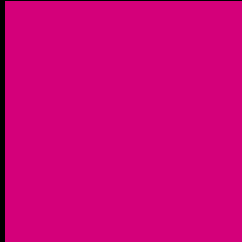
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.6642, 15.4022, 19.7691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

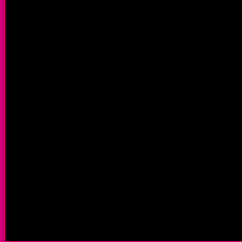
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.6642, 15.4022, 19.7691

Background



This preview shows how black text looks on a background with the XYZ color 30.6642, 15.4022, 19.7691.



This preview shows how white text looks on a background with the XYZ color 30.6642, 15.4022,

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

30.6642, 15.4022, 19.7691

Protanopia

17.1370, 16.0587, 42.7539

Deuteranopia

16.2284, 15.9823, 17.8524



Tritanopia

27.6238, 15.7456, 4.4890

Trichromacy



Original Color

30.6642, 15.4022, 19.7691



Protanomaly

17.6446, 11.5621, 32.7542



Deuteranomaly

18.6069, 12.3872, 17.9333



Tritanomaly

28.0890, 15.0571, 8.2633

Monochromacy



Original Color

30.6642, 15.4022, 19.7691



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.6783, 7.4226, 11.1731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6642, 15.4022, 19.7691 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, 0, 122)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 122)  
}
```

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, 0, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 122) }
```

Border

The CSS property to change the border of an element to XYZ 30.6642, 15.4022, 19.7691 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, 0, 122) }
```


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

```
.border{ border-color:rgb(212, 0, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 122);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6642, 15.4022, 19.7691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 122) }
```

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

```
.background{ background-color: rgb(212, 0,  
122) }
```

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