

Converting Colors

XYZ(31.6429, 15.9640, 20.1525)

Have a look what the booklet for
XYZ(31.6429, 15.9640, 20.1525)
contains.

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Color

**XYZ(31.6429, 15.9640,
20.1525)**

Conversions

Conversions Part 1

Format	Color
Hex	D7047B
RGB	215, 4, 123
RGB Percent	84%, 2%, 48%
CMY	0.1569, 0.9841, 0.5176
CMYK	0.00, 0.98, 0.43, 0.16
HSL	326°, 96%, 43%
HSV	326°, 98%, 84%
XYZ	31.6429, 15.9640, 20.1525
YIQ	80.6550, 87.5570, 81.7410

Conversions

Conversions Part 2

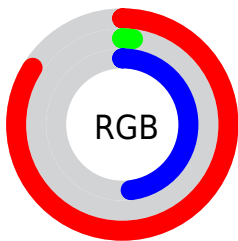
Format	Color
R_{YB}	215, 4, 123
Decimal	14091387
CIE _{Lab}	46.93, 75.30, -5.48
CIE _{LCh}	47, 75.498, 355.836
Yxy	15.9640, 0.4670, 0.2356
Android (android.graphics.Color)	4292281467 (0xFFD7047B)
YUV	80.6550, 20.8761, 117.8206
Hunter-Lab	39.9550, 71.4444, -1.9362

Details

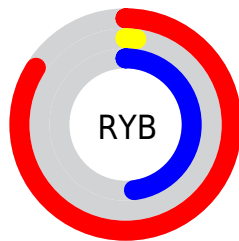
The XYZ color **31.6429, 15.9640, 20.1525** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **26.4644, 49.4722, 19.2315**, and the grayscale version is **7.7063, 8.1076, 8.8292**.

A 20% lighter version of the original color is **52.8050, 32.0094, 43.9527**, and **14.5625, 7.3644, 7.1325** is the 20% darker color. If you saturate the color by 10%, you get **31.4900, 15.8333, 19.5616**, and if you desaturate by 10%, it is **32.5744, 16.8421, 23.4992**.

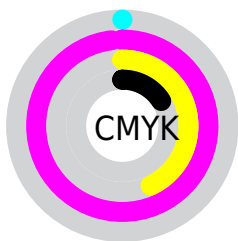
Distribution



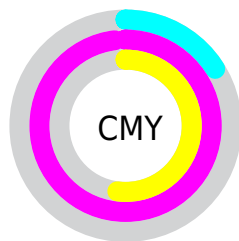
- Red (84%)
- Green (2%)
- Blue (48%)



- Red (84%)
- Yellow (2%)
- Blue (48%)



- Cyan (0%)
- Magenta (98%)
- Yellow (43%)
- Black (16%)





- Cyan (16%)
- Magenta (98%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6429, 15.9640, 20.1525 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 31.6429, 15.9640, 20.1525 by changing the saturation by 10% instead.


 31.6429, 15.9640,
20.1525

 31.6429, 15.9640,
20.1525


301.2636,
229.1292, 265.3710


 21.2431, 9.4987,
12.3208


 61.6198, 36.5357,
44.5350

 13.4153, 5.0679,
6.8373


 81.9277, 51.4109,
61.9229


 7.7941, 2.2871,
3.2837


 106.2689, 69.8581,
83.3333

 4.0142, 0.7669,
1.2412

 135.0089, 92.2618,
109.1847

 1.7102, 0.0000,
0.0129

 168.5130,
119.0064, 139.8956

 0.4626, 0.0000,
0.0000

 207.1466,

 0.0000, 0.0000,

150.4762, 175.8846

0.0000

251.2750,
187.0557, 217.5702

■ 31.6429, 15.9640,
20.1525

■ 31.6429, 15.9640,
20.1525

■ 31.4900, 15.8333,
19.5616

■ 32.5744, 16.8421,
23.4992

■ 33.9066, 18.4293,
27.2642

■ 35.7210, 20.8862,
31.4820

■ 38.0738, 24.3228,
36.1783

■ 41.0130, 28.8331,
41.3755

■ 44.5809, 34.4997,
47.0945

■ 48.8158, 41.3970,
53.3542

■ 53.7529, 49.5933,
60.1723

■ 59.4245, 59.1517,
67.5657

Harmonies

Analogous

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



28.2570, 15.9640, 46.7598



31.6429, 15.9640, 20.1525



29.6727, 15.9640, 5.8793

Triad

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



31.6429, 15.9640, 20.1525



10.2944, 15.9640, 0.9059



9.1123, 15.9640, 68.0125

Complementary

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



31.6429, 15.9640, 20.1525



26.4644, 49.4722, 19.2315

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.



6.3878, 15.9640, 38.4758



31.6429, 15.9640, 20.1525



6.9187, 15.9640, 3.9304

Square

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



31.6429, 15.9640, 20.1525



16.1121, 15.9640, 0.3922



5.7200, 15.9640, 14.8780



14.2717, 15.9640, 84.5013

Rectangle

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



31.6429, 15.9640, 20.1525



25.8235, 15.9640, 2.1835



5.7200, 15.9640, 14.8780



7.9469, 15.9640, 58.5678

Sweetspot

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



31.6433, 15.9649, 20.1527



71.0596, 59.6423, 77.4020



17.0768, 7.4517, 64.8281



14.6196, 11.8014, 15.7055



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.



31.6433, 15.9649, 20.1527



46.2581, 23.2673, 28.3551



28.1783, 14.5789, 1.9058



12.7136, 12.5369, 14.4321



18.8890, 9.4919, 11.9852



1.1805, 0.5890, 0.9401

Inverse Universe

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



31.6433, 15.9649, 20.1527



46.2581, 23.2673, 28.3551



34.8861, 52.8409, 63.5796



12.7136, 12.5369, 14.4321



18.8890, 9.4919, 11.9852



1.1805, 0.5890, 0.9401

Previews

White Background



This preview shows how the XYZ color 31.6429, 15.9640, 20.1525 looks on a white background.

Color Contrast Check

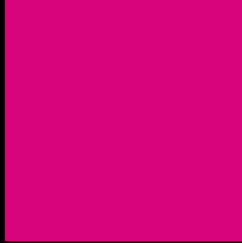
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6429, 15.9640, 20.1525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

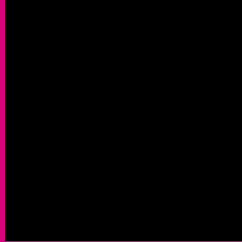
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.6429, 15.9640, 20.1525

Background



This preview shows how black text looks on a background with the XYZ color 31.6429, 15.9640, 20.1525.



This preview shows how white text looks on a background with the XYZ color 31.6429, 15.9640,

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

31.6429, 15.9640, 20.1525

Protanopia

17.7401, 16.6671, 43.8770

Deuteranopia

16.6743, 16.3631, 18.1992



Tritanopia

28.5380, 16.2758, 4.6550

Trichromacy



Original Color

31.6429, 15.9640, 20.1525

Protanomaly

18.3948, 12.2199, 33.2875

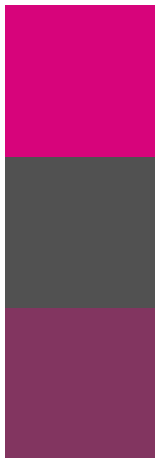
Deuteranomaly

19.1744, 12.8588, 18.3010

Tritanomaly

29.0348, 15.6206, 8.5059

Monochromacy



Original Color

31.6429, 15.9640, 20.1525

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

12.5903, 8.1366, 11.9733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6429, 15.9640, 20.1525 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(215, 4, 123)` looks like.

```
.text, #text, p{  
    color:rgb(215, 4, 123)  
}
```

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(215, 4, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 4, 123) }
```

Border

The CSS property to change the border of an element to XYZ 31.6429, 15.9640, 20.1525 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(215, 4, 123) }
```


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

```
.border{ border-color:rgb(215, 4, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 4, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 4, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 4, 123);  
box-shadow:4px 4px 4px 4px rgb(215, 4,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6429, 15.9640, 20.1525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 4, 123) }
```

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

```
.background{ background-color: rgb(215, 4,  
123) }
```

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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