

# Converting Colors

XYZ(30.4832, 15.1513, 26.8786)

Have a look what the booklet for  
XYZ(30.4832, 15.1513, 26.8786)  
contains.

<b>XYZ(30.6146, 15.2184, 26.9151)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(30.6146, 15.2184,  
26.9151)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF008E
RGB	207, 0, 142
RGB Percent	81%, 0%, 56%
CMY	0.1882, 0.9998, 0.4431
CMYK	0.00, 1.00, 0.31, 0.19
HSL	319°, 100%, 41%
HSV	319°, 100%, 81%
XYZ	30.6146, 15.2184, 26.9151
YIQ	78.0810, 77.7900, 88.0460

# Conversions

## Conversions Part 2

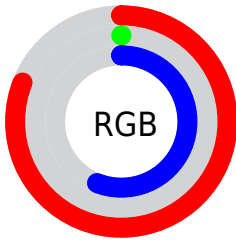
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 0, 142
Decimal	13566094
CIE <sub>Lab</sub>	45.93, 75.79, -18.74
CIE <sub>LCh</sub>	46, 78.076, 346.112
Yxy	15.2184, 0.4208, 0.2092
Android (android.graphics.Color)	4291756174 (0xFFCF008E)
YUV	78.0810, 31.5121, 113.0620
Hunter-Lab	39.0108, 71.8131, -13.5990

# Details

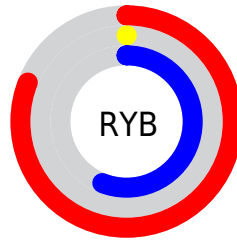
The XYZ color **30.6146, 15.2184, 26.9151** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **23.2686, 45.0080, 12.4679**, and the grayscale version is **7.1929, 7.5675, 8.2410**.

A 20% lighter version of the original color is **54.8600, 32.5579, 55.6174**, and **13.9644, 6.9758, 10.7357** is the 20% darker color. If you saturate the color by 10%, you get **30.6138, 15.2180, 26.9104**, and if you desaturate by 10%, it is **31.3806, 15.9462, 29.6496**.

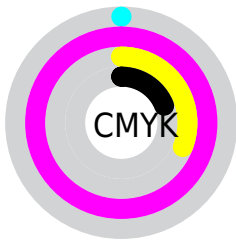
# Distribution



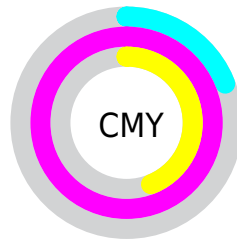
- Red (81%)
- Green (0%)
- Blue (56%)



- Red (81%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (19%)




- Cyan (19%)
- Magenta (100%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6146, 15.2184, 26.9151 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 30.6146, 15.2184, 26.9151 by changing the saturation by 10% instead.




 30.6146, 15.2184,  
26.9151


 30.6146, 15.2184,  
26.9151


296.6175,  
224.6844, 300.9930


 20.4559, 8.9728,  
17.2776


 60.0128, 35.2359,  
55.7497


 12.8371, 4.7234,  
10.2686


 79.9830, 49.7765,  
75.7838


 7.3927, 2.0859,  
5.4695


 103.9544, 67.8510,  
100.1206

 3.7574, 0.6567,  
2.4617

 132.2925, 89.8437,  
129.1786

 1.5658, 0.0000,  
0.8198

 165.3624,  
116.1390, 163.3763

 0.3700, 0.0000,  
0.0000

 203.5297,

 0.0000, 0.0000,

147.1212, 203.1322

0.0000

247.1596,  
183.1749, 248.8649

■ 30.6146, 15.2184,  
26.9151

■ 30.6146, 15.2184,  
26.9151

■ 30.6138, 15.2180,  
26.9104

■ 31.3806, 15.9462,  
29.6496

■ 32.4570, 17.2484,  
32.6302

■ 33.9399, 19.3168,  
35.8913

■ 35.8814, 22.2546,  
39.4527

■ 38.3256, 26.1491,  
43.3310

■ 41.3110, 31.0770,  
47.5412

■ 44.8723, 37.1071,  
52.0970

■ 49.0414, 44.3021,  
57.0111

■ 53.8476, 52.7201,  
62.2951

# Harmonies

## Analogous

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



25.6751, 15.2184, 56.6994



30.6146, 15.2184, 26.9151



30.4048, 15.2184, 8.3913

# Triad

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



30.6146, 15.2184, 26.9151



11.2206, 15.2184, 0.2925



7.3296, 15.2184, 58.9958

# Complementary

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



30.6146, 15.2184, 26.9151



23.2686, 45.0080, 12.4679

# 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.



5.3767, 15.2184, 28.8431



30.6146, 15.2184, 26.9151



7.1103, 15.2184, 1.9868

# Square

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



30.6146, 15.2184, 26.9151



17.7297, 15.2184, 0.2376



5.3110, 15.2184, 9.2876



11.6272, 15.2184, 82.8283



# Rectangle

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



30.6146, 15.2184, 26.9151



27.3312, 15.2184, 3.0535



5.3110, 15.2184, 9.2876



6.4433, 15.2184, 48.5508

# Sweetspot

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



30.6151, 15.2192, 26.9154



71.6802, 59.0682, 83.2053



13.2575, 5.5341, 59.4010



14.7997, 11.7191, 17.1297



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.



30.6151, 15.2192, 26.9154



48.9693, 24.3517, 42.6321



26.1404, 13.4294, 3.3518



12.1462, 11.9432, 14.0456



19.3325, 9.6058, 17.1887



1.1159, 0.5511, 1.1453



# Inverse Universe

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



30.6151, 15.2192, 26.9154



48.9693, 24.3517, 42.6321



29.1603, 47.3647, 43.4934



12.1462, 11.9432, 14.0456



19.3325, 9.6058, 17.1887



1.1159, 0.5511, 1.1453



# Previews

## White Background



This preview shows how the XYZ color 30.6146, 15.2184, 26.9151 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

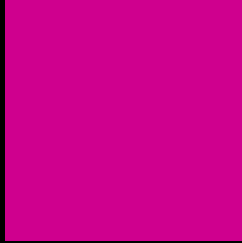
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.6146, 15.2184, 26.9151 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

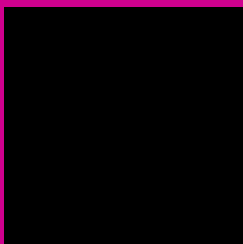
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 30.6146, 15.2184, 26.9151**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.6146, 15.2184, 26.9151.



This preview shows how white text looks on a background with the XYZ color 30.6146, 15.2184,



# 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

30.6146, 15.2184, 26.9151

### Protanopia

18.2564, 16.1269, 58.6505

### Deuteranopia

16.0830, 15.7706, 24.0262



## Tritanopia

26.2653, 15.5513, 5.6204

# Trichromacy



## Original Color

30.6146, 15.2184, 26.9151



## Protanomaly

17.6711, 11.3054, 44.9669



## Deuteranomaly

18.4261, 12.1448, 24.6656



## Tritanomaly

27.0627, 14.6795, 10.8583

# Monochromacy



## Original Color

30.6146, 15.2184, 26.9151



## Achromatopsia

7.2414, 7.6185, 8.2966



## Achromatomaly

11.9470, 7.5808, 13.1455

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.6146, 15.2184, 26.9151 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(207, 0, 142)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 142)  
}
```

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(207, 0, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 30.6146, 15.2184, 26.9151 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(207, 0, 142) }
```



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

```
.border{ border-color:rgb(207, 0, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 0, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 142);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.6146, 15.2184, 26.9151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 142) }
```

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

```
.background{ background-color: rgb(207, 0,  
142) }
```

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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