

Converting Colors

XYZ(36.5257, 18.4066, 20.8265)

Have a look what the booklet for
XYZ(36.5257, 18.4066, 20.8265)
contains.

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Color

**XYZ(36.5931, 18.4442,
20.7002)**

Conversions

Conversions Part 1

Format	Color
Hex	E7007C
RGB	231, 0, 124
RGB Percent	91%, 0%, 49%
CMY	0.0941, 0.9998, 0.5137
CMYK	0.00, 1.00, 0.46, 0.09
HSL	328°, 100%, 45%
HSV	328°, 100%, 91%
XYZ	36.5931, 18.4442, 20.7002
YIQ	83.2050, 97.8720, 87.5360

Conversions

Conversions Part 2

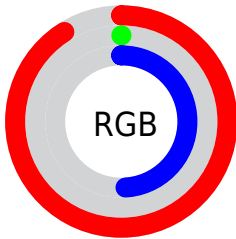
Format	Color
RYB	231, 0, 124
Decimal	15138940
CIELab	50.03, 79.13, -1.16
CIElCh	50, 79.134, 359.164
Yxy	18.4442, 0.4832, 0.2435
Android (android.graphics.Color)	4293329020 (0xFFE7007C)
YUV	83.2050, 20.1119, 129.6162
Hunter-Lab	42.9467, 76.9357, 1.4851

Details

The XYZ color **36.5931, 18.4442, 20.7002** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **31.2332, 58.2147, 23.5150**, and the grayscale version is **8.2161, 8.6440, 9.4133**.

A 20% lighter version of the original color is **53.0792, 32.4000, 44.5305**, and **17.6667, 8.9568, 7.6352** is the 20% darker color. If you saturate the color by 10%, you get **36.5914, 18.4435, 20.6920**, and if you desaturate by 10%, it is **37.6166, 19.3487, 24.5641**.

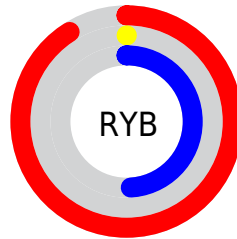
Distribution



Red (91%)

Green (0%)

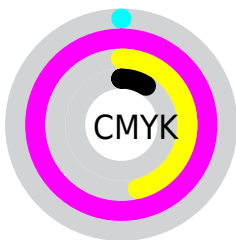
Blue (49%)



Red (91%)

Yellow (0%)

Blue (49%)

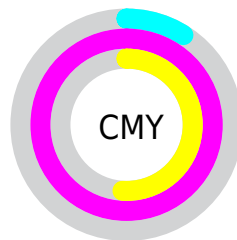


Cyan (0%)

Magenta (100%)

Yellow (46%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5931, 18.4442, 20.7002 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 36.5931, 18.4442, 20.7002 by changing the saturation by 10% instead.


 36.5931, 18.4442,
20.7002


 36.5931, 18.4442,
20.7002

322.9317,
243.3630, 268.4094


 25.0648, 11.2694,
12.7159

 69.2644, 40.7928,
45.4623


 16.2544, 6.2483,
7.1048


 91.1382, 56.7353,
63.0773


 9.7963, 2.9967,
3.4483


 117.1912, 76.3692,
84.7396

 5.3253, 1.1300,
1.3278

 147.7887,
100.0789, 110.8677

 2.4761, 0.0034,
0.0844

 183.2962,
128.2487, 141.8802

 0.8832, 0.0000,
0.0000

 224.0790,

 0.0000, 0.0000,

161.2631, 178.1956

0.0000

270.5023,
199.5064, 220.2325

■ 36.5931, 18.4442,
20.7002

■ 36.5931, 18.4442,
20.7002

■ 36.5914, 18.4435,
20.6920

■ 37.6166, 19.3487,
24.5641

■ 39.0840, 21.0196,
28.9494

■ 41.1147, 23.6927,
33.9065

■ 43.7790, 27.5050,
39.4688

■ 47.1360, 32.5718,
45.6659

■ 51.2377, 38.9941,
52.5246

■ 56.1311, 46.8625,
60.0695

■ 61.8588, 56.2598,
68.3236

■ 68.4605, 67.2624,
77.3088

Harmonies

Analogous

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



33.3220, 18.4442, 50.1055



36.5931, 18.4442, 20.7002



33.6506, 18.4442, 5.8073

Triad

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



36.5931, 18.4442, 20.7002



11.3269, 18.4442, 1.2192



11.0528, 18.4442, 81.7706

Complementary

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



36.5931, 18.4442, 20.7002



31.2332, 58.2147, 23.5150

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.



7.6110, 18.4442, 48.1827



36.5931, 18.4442, 20.7002



7.7341, 18.4442, 5.3564

Square

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



36.5931, 18.4442, 20.7002



17.7450, 18.4442, 0.4988



6.5977, 18.4442, 19.4774



17.3180, 18.4442, 97.8014

Rectangle

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



36.5931, 18.4442, 20.7002



28.9362, 18.4442, 2.1402



6.5977, 18.4442, 19.4774



9.6020, 18.4442, 71.3498

Sweetspot

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



36.5936, 18.4453, 20.7005



70.1197, 58.4440, 74.9879



20.1309, 8.7125, 76.2218



14.4280, 11.5704, 15.1725



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.



36.5936, 18.4453, 20.7005



45.7450, 23.0620, 25.6532



33.0194, 17.0156, 1.8792



14.6988, 14.4967, 16.6141



20.5771, 10.3651, 11.9341



1.5674, 0.7847, 1.1284

Inverse Universe

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



36.5936, 18.4453, 20.7005



45.7450, 23.0620, 25.6532



41.4224, 62.2904, 77.1706



14.6988, 14.4967, 16.6141



20.5771, 10.3651, 11.9341



1.5674, 0.7847, 1.1284

Previews

White Background



This preview shows how the XYZ color 36.5931, 18.4442, 20.7002 looks on a white background.

Color Contrast Check

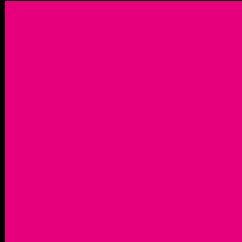
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.5931, 18.4442, 20.7002 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 36.5931, 18.4442, 20.7002

Background



This preview shows how black text looks on a background with the XYZ color 36.5931, 18.4442, 20.7002.



This preview shows how white text looks on a background with the XYZ color 36.5931, 18.4442,

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

36.5931, 18.4442, 20.7002

Protanopia

20.1003, 19.2150, 45.2973

Deuteranopia

19.3902, 19.0884, 18.5820



Tritanopia

33.3526, 18.7578, 4.8804

Trichromacy



Original Color

36.5931, 18.4442, 20.7002



Protanomaly

21.0552, 13.9680, 34.3872



Deuteranomaly

22.2964, 14.7516, 18.8117



Tritanomaly

33.8244, 18.0098, 8.7147

Monochromacy



Original Color

36.5931, 18.4442, 20.7002



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.7942, 8.7464, 12.5165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5931, 18.4442, 20.7002 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(231, 0, 124)` looks like.

```
.text, #text, p{  
    color:rgb(231, 0, 124)  
}
```

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(231, 0, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 0, 124) }
```

Border

The CSS property to change the border of an element to XYZ 36.5931, 18.4442, 20.7002 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(231, 0, 124) }
```


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

```
.border{ border-color:rgb(231, 0, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 0, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 0, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 0, 124);  
box-shadow:4px 4px 4px 4px rgb(231, 0,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5931, 18.4442, 20.7002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 0, 124) }
```

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

```
.background{ background-color: rgb(231, 0,  
124) }
```

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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