

Converting Colors

XYZ(30.9035, 15.7474, 9.7935)

Have a look what the booklet for
XYZ(30.9035, 15.7474, 9.7935)
contains.

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Color

**XYZ(30.8137, 15.7002,
9.7939)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0054
RGB	219, 0, 84
RGB Percent	86%, 0%, 33%
CMY	0.1412, 0.9998, 0.6706
CMYK	0.00, 1.00, 0.62, 0.14
HSL	337°, 100%, 43%
HSV	337°, 100%, 86%
XYZ	30.8137, 15.7002, 9.7939
YIQ	75.0570, 103.5600, 72.5520

Conversions

Conversions Part 2

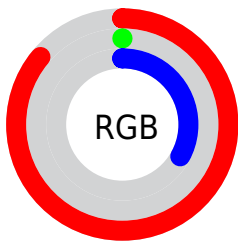
Format	Color
RYB	219, 0, 84
Decimal	14352468
CIELab	46.58, 73.75, 18.28
CIElCh	47, 75.980, 13.924
Yxy	15.7002, 0.5472, 0.2788
Android (android.graphics.Color)	4292542548 (0xFFDB0054)
YUV	75.0570, 4.4089, 126.2380
Hunter-Lab	39.6235, 69.4717, 13.0815

Details

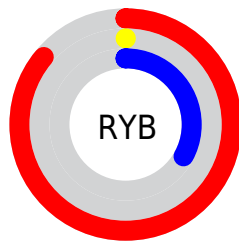
The XYZ color **30.8137, 15.7002, 9.7939** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **29.7086, 52.4138, 31.4906**, and the grayscale version is **6.6821, 7.0301, 7.6558**.

A 20% lighter version of the original color is **49.1298, 30.2658, 25.4428**, and **14.0933, 7.2211, 2.6585** is the 20% darker color. If you saturate the color by 10%, you get **30.8124, 15.6996, 9.7877**, and if you desaturate by 10%, it is **31.6805, 16.5044, 12.9486**.

Distribution



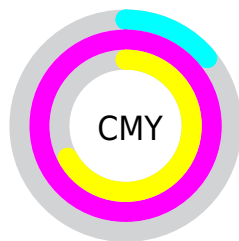
- Red (86%)
- Green (0%)
- Blue (33%)



- Red (86%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8137, 15.7002, 9.7939 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 30.8137, 15.7002, 9.7939 by changing the saturation by 10% instead.


 30.8137, 15.7002,
9.7939


 30.8137, 15.7002,
9.7939


297.5213,
227.5661, 199.6258


 20.6082, 9.3123,
5.1587


 60.3245, 36.0769,
26.0088


 12.9487, 4.9454,
2.2803


 80.3604, 50.8345,
38.4257

 7.4700, 2.2153,
0.7202


 104.4039, 69.1508,
54.2735

 3.8067, 0.7283,
0.0000

 132.8202, 91.4102,
73.9708

 1.5933, 0.0000,
0.0000

 165.9748,
117.9970, 97.9361

 0.3881, 0.0000,
0.0000

 204.2329,

 0.0000, 0.0000,

149.2956, 126.5880

0.0000

247.9600,
185.6905, 160.3451

■ 30.8137, 15.7002,
9.7939

■ 30.8137, 15.7002,
9.7939

■ 30.8124, 15.6996,
9.7877

■ 31.6805, 16.5044,
12.9486

■ 32.9780, 17.9980,
16.7766

■ 34.8173, 20.3953,
21.3397

■ 37.2626, 23.8173,
26.6826

■ 40.3685, 28.3659,
32.8455

■ 44.1832, 34.1307,
39.8651

■ 48.7500, 41.1921,
47.7757

■ 54.1088, 49.6237,
56.6096

■ 60.2965, 59.4933,
66.3970

Harmonies

Analogous

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



30.6153, 15.7002, 29.1726



30.8137, 15.7002, 9.7939



25.9726, 15.7002, 2.2876

Triad

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



30.8137, 15.7002, 9.7939



7.7728, 15.7002, 2.0457



11.6959, 15.7002, 80.5761

Complementary

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



30.8137, 15.7002, 9.7939



29.7086, 52.4138, 31.4906

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.



7.5580, 15.7002, 56.3793



30.8137, 15.7002, 9.7939



5.7892, 15.7002, 8.9175

Square

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



30.8137, 15.7002, 9.7939



12.0892, 15.7002, 0.4587



5.7243, 15.7002, 27.3410



18.1673, 15.7002, 81.5672

Rectangle

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



30.8137, 15.7002, 9.7939



21.1803, 15.7002, 0.8433



5.7243, 15.7002, 27.3410



10.0375, 15.7002, 74.3781

Sweetspot

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



30.8141, 15.7012, 9.7941



68.6246, 57.8459, 67.1147



22.2118, 9.9744, 67.7721



14.0759, 11.4296, 13.3186



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.



30.8141, 15.7012, 9.7941



43.4339, 22.1376, 13.4831



29.4994, 15.6318, 1.4639



13.2616, 13.1337, 14.6389



18.3199, 9.3290, 6.0648



1.2281, 0.6209, 0.6103

Inverse Universe

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



30.8141, 15.7012, 9.7941



43.4339, 22.1376, 13.4831



32.7767, 45.0948, 73.9942



13.2616, 13.1337, 14.6389



18.3199, 9.3290, 6.0648



1.2281, 0.6209, 0.6103

Previews

White Background



This preview shows how the XYZ color 30.8137, 15.7002, 9.7939 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

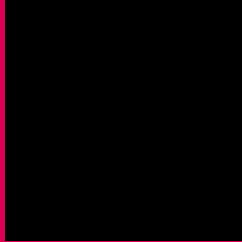
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.8137, 15.7002, 9.7939

Background



This preview shows how black text looks on a background with the XYZ color 30.8137, 15.7002, 9.7939.



This preview shows how white text looks on a background with the XYZ color 30.8137, 15.7002,

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

30.8137, 15.7002, 9.7939

Protanopia

15.9249, 16.3979, 21.0647

Deuteranopia

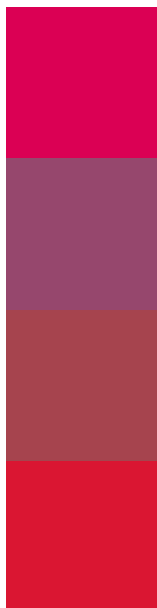
16.5194, 16.1743, 8.9079



Tritanopia

29.4346, 15.9947, 2.8322

Trichromacy



Original Color

30.8137, 15.7002, 9.7939

Protanomaly

17.5912, 12.0946, 15.8753

Deuteranomaly

19.1682, 12.7913, 8.6664

Tritanomaly

29.7761, 15.7095, 4.4805

Monochromacy



Original Color

30.8137, 15.7002, 9.7939

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

11.1845, 7.1760, 8.0033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8137, 15.7002, 9.7939 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(219, 0, 84)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 84)  
}
```

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(219, 0, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 84) }
```

Border

The CSS property to change the border of an element to XYZ 30.8137, 15.7002, 9.7939 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(219, 0, 84) }
```


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

```
.border{ border-color:rgb(219, 0, 84) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 84);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.8137, 15.7002, 9.7939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 84) }
```

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

```
.background{ background-color: rgb(219, 0,  
84) }
```

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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