

Converting Colors

XYZ(30.4519, 15.8643, 10.2070)

Have a look what the booklet for
XYZ(30.4519, 15.8643, 10.2070)
contains.

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Color

**XYZ(30.5451, 15.9239,
10.2678)**

Conversions

Conversions Part 1

Format	Color
Hex	D91456
RGB	217, 20, 86
RGB Percent	85%, 8%, 34%
CMY	0.1490, 0.9215, 0.6627
CMYK	0.00, 0.91, 0.60, 0.15
HSL	340°, 83%, 46%
HSV	340°, 91%, 85%
XYZ	30.5451, 15.9239, 10.2678
YIQ	86.4270, 96.2260, 62.2900

Conversions

Conversions Part 2

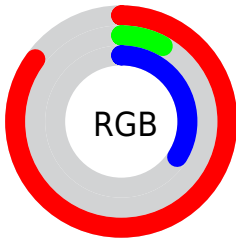
Format	Color
R_{YB}	217, 20, 86
Decimal	14226518
CIE _{Lab}	46.87, 71.47, 17.37
CIE _{LCh}	47, 73.552, 13.660
Yxy	15.9239, 0.5384, 0.2807
Android (android.graphics.Color)	4292416598 (0xFFD91456)
YUV	86.4270, -0.2105, 114.5125
Hunter-Lab	39.9048, 66.7995, 12.6776

Details

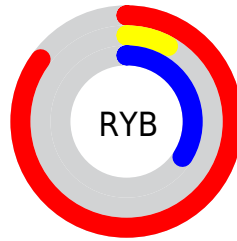
The XYZ color **30.5451, 15.9239, 10.2678** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **30.6901, 52.0097, 37.7119**, and the grayscale version is **8.9256, 9.3904, 10.2262**.

A 20% lighter version of the original color is **49.7054, 31.1937, 26.3229**, and **13.7443, 7.0372, 2.8244** is the 20% darker color. If you saturate the color by 10%, you get **29.8071, 15.2284, 7.6160**, and if you desaturate by 10%, it is **31.7547, 17.3169, 13.8354**.

Distribution



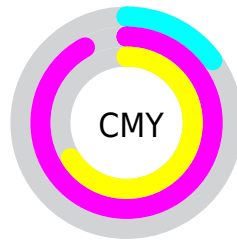
- Red (85%)
- Green (8%)
- Blue (34%)



- Red (85%)
- Yellow (8%)
- Blue (34%)



- Cyan (0%)
- Magenta (91%)
- Yellow (60%)
- Black (15%)





- Cyan (15%)
- Magenta (92%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5451, 15.9239, 10.2678 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 30.5451, 15.9239, 10.2678 by changing the saturation by 10% instead.


 30.5451, 15.9239,
10.2678


 30.5451, 15.9239,
10.2678


296.3015,
228.8923, 203.1266

 20.4028, 9.4703,
5.4690


 59.9039, 36.4660,
26.9137


 12.7982, 5.0492,
2.4614


 79.8511, 51.3234,
39.5977


 7.3657, 2.2762,
0.8196


 103.7974, 69.7508,
55.7473

 3.7402, 0.7610,
0.0000

 132.1080, 92.1326,
75.7810

 1.5562, 0.0000,
0.0000

 165.1484,
118.8533, 100.1172

 0.3636, 0.0000,
0.0000

 203.2839,

 0.0000, 0.0000,

150.2972, 129.1745

0.0000

246.8798,
186.8487, 163.3715

■ 30.5451, 15.9239,
10.2678

■ 30.5451, 15.9239,
10.2678

■ 29.8071, 15.2284,
7.6160

■ 31.7547, 17.3169,
13.8354

■ 33.5032, 19.5891,
18.1940

■ 35.8560, 22.8619,
23.3953

■ 38.8683, 27.2368,
29.4855

■ 42.5889, 32.8026,
36.5071

■ 47.0615, 39.6390,
44.4994

■ 52.3265, 47.8187,
53.4995

■ 58.4209, 57.4090,
63.5423

■ 65.3797, 68.4725,
74.6609

Harmonies

Analogous

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



30.3076, 15.9239, 29.2829



30.5451, 15.9239, 10.2678



25.9151, 15.9239, 2.6044

Triad

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



30.5451, 15.9239, 10.2678



8.1221, 15.9239, 2.2884



11.9263, 15.9239, 78.0411

Complementary

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



30.5451, 15.9239, 10.2678



30.6901, 52.0097, 37.7119

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.



7.8560, 15.9239, 54.8987



30.5451, 15.9239, 10.2678



6.1223, 15.9239, 9.1843

Square

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



30.5451, 15.9239, 10.2678



12.4075, 15.9239, 0.6535



6.0411, 15.9239, 27.0802



18.2360, 15.9239, 79.2112

Rectangle

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



30.5451, 15.9239, 10.2678



21.2876, 15.9239, 1.0440



6.0411, 15.9239, 27.0802



10.2996, 15.9239, 72.0961

Sweetspot

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



30.5455, 15.9249, 10.2680



70.3651, 61.0549, 68.5339



24.9986, 11.8126, 66.6077



14.5290, 12.2456, 13.7473



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.



30.5455, 15.9249, 10.2680



42.8959, 21.9224, 10.6498



29.8641, 17.0473, 2.3797



13.2350, 13.1231, 14.4990



18.0878, 9.2362, 4.8426



1.2111, 0.6141, 0.5207

Inverse Universe

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



30.5455, 15.9249, 10.2680



42.8959, 21.9224, 10.6498



30.6802, 40.8923, 71.9212



13.2350, 13.1231, 14.4990



18.0878, 9.2362, 4.8426



1.2111, 0.6141, 0.5207

Previews

White Background



This preview shows how the XYZ color 30.5451, 15.9239, 10.2678 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 30.5451, 15.9239, 10.2678 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 30.5451, 15.9239, 10.2678

Background



This preview shows how black text looks on a background with the XYZ color 30.5451, 15.9239, 10.2678.



This preview shows how white text looks on a background with the XYZ color 30.5451, 15.9239,

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

30.5451, 15.9239, 10.2678

Protanopia

15.9878, 16.4231, 21.3961

Deuteranopia

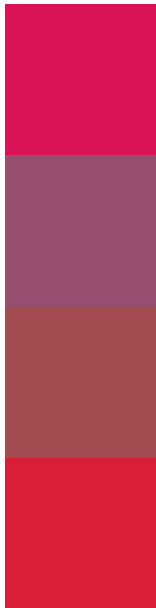
16.4288, 16.1195, 9.2667



Tritanopia

29.0514, 15.9669, 3.3010

Trichromacy



Original Color

30.5451, 15.9239, 10.2678

Protanomaly

18.1881, 13.2018, 16.3414

Deuteranomaly

19.2739, 13.5039, 9.1801

Tritanomaly

29.4985, 15.8547, 5.1200

Monochromacy



Original Color

30.5451, 15.9239, 10.2678

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

13.2339, 9.1855, 9.8796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5451, 15.9239, 10.2678 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(217, 20, 86)` looks like.

```
.text, #text, p{  
    color:rgb(217, 20, 86)  
}
```

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(217, 20, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 20, 86) }
```

Border

The CSS property to change the border of an element to XYZ 30.5451, 15.9239, 10.2678 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(217, 20, 86) }
```


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

```
.border{ border-color:rgb(217, 20, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 20, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 20, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 20, 86);  
box-shadow:4px 4px 4px 4px rgb(217, 20,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5451, 15.9239, 10.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 20, 86) }
```

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

```
.background{ background-color: rgb(217, 20,  
86) }
```

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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