

Converting Colors

XYZ(30.9747, 14.4619, 8.4931)

Have a look what the booklet for
XYZ(30.9747, 14.4619, 8.4931)
contains.

XYZ(31.8427, 16.2525, 8.8559)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.8427, 16.2525,
8.8559)**

Conversions

Conversions Part 1

Format	Color
Hex	DF004F
RGB	223, 0, 79
RGB Percent	87%, 0%, 31%
CMY	0.1255, 0.9998, 0.6902
CMYK	0.00, 1.00, 0.65, 0.13
HSL	339°, 100%, 44%
HSV	339°, 100%, 87%
XYZ	31.8427, 16.2525, 8.8559
YIQ	75.6830, 107.5490, 71.8450

Conversions

Conversions Part 2

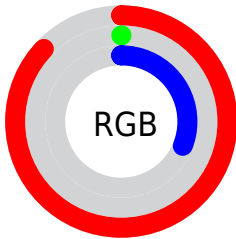
Format	Color
R_{YB}	223, 0, 79
Decimal	14614607
CIE Lab	47.30, 74.40, 22.49
CIE LCh	47, 77.727, 16.820
Yxy	16.2525, 0.5591, 0.2854
Android (android.graphics.Color)	4292804687 (0xFFDF004F)
YUV	75.6830, 1.6353, 129.1970
Hunter-Lab	40.3144, 70.4397, 15.1958

Details

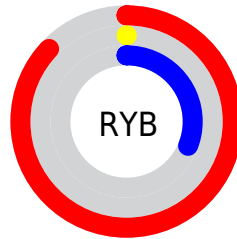
The XYZ color **31.8427, 16.2525, 8.8559** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **31.4261, 54.7905, 35.3252**, and the grayscale version is **6.8001, 7.1542, 7.7910**.

A 20% lighter version of the original color is **48.8774, 30.3007, 23.6946**, and **14.6165, 7.4983, 2.3460** is the 20% darker color. If you saturate the color by 10%, you get **31.8413, 16.2519, 8.8495**, and if you desaturate by 10%, it is **32.7186, 17.0727, 12.0208**.

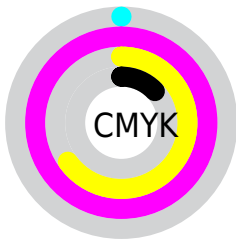
Distribution



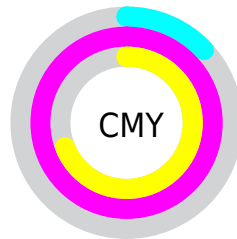
- Red (87%)
- Green (0%)
- Blue (31%)



- Red (87%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8427, 16.2525, 8.8559 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 31.8427, 16.2525, 8.8559 by changing the saturation by 10% instead.


 31.8427, 16.2525,
8.8559


 31.8427, 16.2525,
8.8559


302.1601,
230.8271, 192.4776


 21.3963, 9.7030,
4.5518


 61.9313, 37.0360,
24.1933


 13.5281, 5.2025,
1.9327


 82.3042, 52.0388,
36.0637


 7.8727, 2.3666,
0.5134


 106.7167, 70.6282,
51.2933

 4.0647, 0.8086,
0.0000

 135.5341, 93.1885,
70.3006

 1.7388, 0.0000,
0.0000

 169.1218,
120.1041, 93.5041

 0.4804, 0.0000,
0.0000

 207.8451,

 0.0000, 0.0000,

151.7595, 121.3224

0.0000

252.0694,
188.5390, 154.1741

■ 31.8427, 16.2525,
8.8559

■ 31.8427, 16.2525,
8.8559

■ 31.8413, 16.2519,
8.8495

■ 32.7186, 17.0727,
12.0208

■ 34.0529, 18.6168,
15.9321

■ 35.9614, 21.1068,
20.6593

■ 38.5122, 24.6696,
26.2536

■ 41.7633, 29.4123,
32.7612

■ 45.7656, 35.4289,
40.2243

■ 50.5653, 42.8037,
48.6824

■ 56.2046, 51.6137,
58.1724

■ 62.7227, 61.9303,
68.7293

Harmonies

Analogous

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



32.1954, 16.2525, 27.7926



31.8427, 16.2525, 8.8559



26.3563, 16.2525, 1.9656

Triad

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



31.8427, 16.2525, 8.8559



7.6823, 16.2525, 2.3846



12.6287, 16.2525, 85.9312

Complementary

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



31.8427, 16.2525, 8.8559



31.4261, 54.7905, 35.3252

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.



8.0605, 16.2525, 62.0600



31.8427, 16.2525, 8.8559



5.8295, 16.2525, 10.3996

Square

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



31.8427, 16.2525, 8.8559



11.9339, 16.2525, 0.5003



5.9436, 16.2525, 31.0452



19.5909, 16.2525, 84.1616

Rectangle

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



31.8427, 16.2525, 8.8559



21.2483, 16.2525, 0.7066



5.9436, 16.2525, 31.0452



10.8121, 16.2525, 80.1687

Sweetspot

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



31.8431, 16.2535, 8.8561



68.3508, 57.7364, 65.6733



24.3471, 11.0136, 70.6542



14.0120, 11.4040, 12.9818



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.



31.8431, 16.2535, 8.8561



43.0982, 22.0033, 11.7152



30.8902, 16.6053, 1.5785



13.9067, 13.7803, 15.2789



18.7711, 9.5755, 5.4605



1.3427, 0.6803, 0.5973

Inverse Universe

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



31.8431, 16.2535, 8.8561



43.0982, 22.0033, 11.7152



32.4502, 43.5888, 76.5147



13.9067, 13.7803, 15.2789



18.7711, 9.5755, 5.4605



1.3427, 0.6803, 0.5973

Previews

White Background



This preview shows how the XYZ color 31.8427, 16.2525, 8.8559 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 31.8427, 16.2525, 8.8559 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 31.8427, 16.2525, 8.8559

Background



This preview shows how black text looks on a background with the XYZ color 31.8427, 16.2525, 8.8559.



This preview shows how white text looks on a background with the XYZ color 31.8427, 16.2525,

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

31.8427, 16.2525, 8.8559

Protanopia

16.3722, 17.0086, 18.9431

Deuteranopia

17.0240, 16.7702, 7.9699



Tritanopia

30.8625, 16.6513, 2.7498

Trichromacy



Original Color

31.8427, 16.2525, 8.8559



Protanomaly

18.3483, 12.7129, 14.3187



Deuteranomaly

19.6929, 13.1723, 7.8079



Tritanomaly

30.8874, 16.2351, 4.1951

Monochromacy



Original Color

31.8427, 16.2525, 8.8559



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.4498, 7.3169, 7.8300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8427, 16.2525, 8.8559 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(223, 0, 79)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 79)  
}
```

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(223, 0, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 79) }
```

Border

The CSS property to change the border of an element to XYZ 31.8427, 16.2525, 8.8559 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(223, 0, 79) }
```


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

```
.border{ border-color:rgb(223, 0, 79) }
```

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

Here you see how a box with a 4 pixel rgb(223, 0, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 79);  
box-shadow:4px 4px 4px 4px rgb(223, 0, 79)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.8427, 16.2525, 8.8559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 79) }
```

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

```
.background{ background-color: rgb(223, 0,  
79) }
```

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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