

Converting Colors

XYZ(30.6393, 15.9162, 2.7236)

Have a look what the booklet for
XYZ(30.6393, 15.9162, 2.7236)
contains.

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Color

**XYZ(30.7764, 15.9823,
2.7591)**

Conversions

Conversions Part 1

Format	Color
Hex	DF091F
RGB	223, 9, 31
RGB Percent	87%, 4%, 12%
CMY	0.1255, 0.9645, 0.8784
CMYK	0.00, 0.96, 0.86, 0.13
HSL	354°, 92%, 46%
HSV	354°, 96%, 87%
XYZ	30.7764, 15.9823, 2.7591
YIQ	75.4940, 120.4820, 52.2100

Conversions

Conversions Part 2

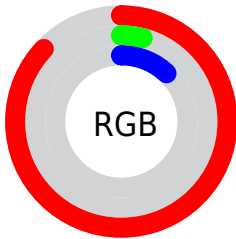
Format	Color
R_{YB}	223, 9, 31
Decimal	14616863
CIE _{Lab}	46.95, 72.00, 49.79
CIE _{LCh}	47, 87.542, 34.665
Yxy	15.9823, 0.6215, 0.3228
Android (android.graphics.Color)	4292806943 (0xFFDF091F)
YUV	75.4940, -21.9355, 129.3628
Hunter-Lab	39.9779, 67.4544, 23.8926

Details

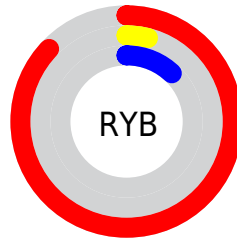
The XYZ color **30.7764, 15.9823, 2.7591** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **37.0497, 57.0529, 64.3512**, and the grayscale version is **6.8059, 7.1604, 7.7976**.

A 20% lighter version of the original color is **46.4423, 29.4644, 10.4471**, and **14.1006, 7.2691, 0.6599** is the 20% darker color. If you saturate the color by 10%, you get **30.5845, 15.7492, 2.2319**, and if you desaturate by 10%, it is **31.5283, 16.9256, 4.7387**.

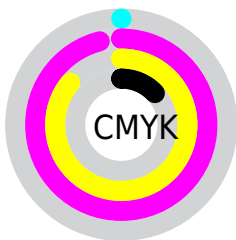
Distribution



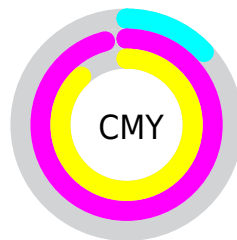
- Red (87%)
- Green (4%)
- Blue (12%)



- Red (87%)
- Yellow (4%)
- Blue (12%)



- Cyan (0%)
- Magenta (96%)
- Yellow (86%)
- Black (13%)





- Cyan (13%)
- Magenta (96%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7764, 15.9823, 2.7591 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 30.7764, 15.9823, 2.7591 by changing the saturation by 10% instead.


 30.7764, 15.9823,
2.7591


 30.7764, 15.9823,
2.7591


297.3522,
229.2373, 133.2307


 20.5796, 9.5116,
0.9730


 60.2661, 36.5675,
11.0280


 12.9278, 5.0764,
0.0000


 80.2898, 51.4508,
18.3478


 7.4555, 2.2921,
0.0000


 104.3197, 69.9071,
28.3493

 3.7974, 0.7695,
0.0000

 132.7214, 92.3207,
41.4511

 1.5882, 0.0000,
0.0000

 165.8601,
119.0762, 58.0715


 0.3847, 0.0000,
0.0000


 204.1013,


 0.0000, 0.0000,


150.5578, 78.6292


0.0000


 247.8102,
187.1501, 103.5428


 30.7764, 15.9823,
2.7591


 30.7764, 15.9823,
2.7591


 30.5845, 15.7492,
2.2319

 31.5283, 16.9256,
4.7387

 32.8724, 18.7494,
7.8519

 34.9024, 21.6065,
12.2370

 37.6947, 25.6197,
18.0118

 41.3155, 30.8950,
25.2808

■ 45.8238, 37.5259,
34.1383

■ 51.2732, 45.5975,
44.6708

■ 57.7130, 55.1876,
56.9586

■ 65.1891, 66.3686,
71.0768

Harmonies

Analogous

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



35.0620, 15.9823, 14.1970



30.7764, 15.9823, 2.7591



22.3907, 15.9823, 0.1278

Triad

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



30.7764, 15.9823, 2.7591



5.4003, 15.9823, 4.8871



16.4182, 15.9823, 102.1491

Complementary

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



30.7764, 15.9823, 2.7591



37.0497, 57.0529, 64.3512

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.



9.7279, 15.9823, 89.9458



30.7764, 15.9823, 2.7591



4.7437, 15.9823, 21.0564

Square

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



30.7764, 15.9823, 2.7591



8.2687, 15.9823, 0.6256



6.0229, 15.9823, 54.0196



25.1818, 15.9823, 80.0913

Rectangle

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



30.7764, 15.9823, 2.7591



16.5991, 15.9823, 0.0000



6.0229, 15.9823, 54.0196



13.8643, 15.9823, 102.0096

Sweetspot

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



30.7767, 15.9833, 2.7593



66.9198, 57.9864, 55.6023



36.7164, 17.5353, 71.2608



13.6496, 11.4135, 10.5976



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.



30.7767, 15.9833, 2.7593



41.4282, 21.3353, 2.9211



34.2276, 23.2013, 2.9343



13.7641, 13.7233, 14.5278



18.0028, 9.2681, 1.4144



1.2675, 0.6503, 0.2014

Inverse Universe

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



30.7767, 15.9833, 2.7593



41.4282, 21.3353, 2.9211



22.9555, 24.4321, 73.3173



13.7641, 13.7233, 14.5278



18.0028, 9.2681, 1.4144



1.2675, 0.6503, 0.2014

Previews

White Background



This preview shows how the XYZ color 30.7764, 15.9823, 2.7591 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 30.7764, 15.9823, 2.7591 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 30.7764, 15.9823, 2.7591

Background



This preview shows how black text looks on a background with the XYZ color 30.7764, 15.9823, 2.7591.



This preview shows how white text looks on a background with the XYZ color 30.7764, 15.9823,

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

30.7764, 15.9823, 2.7591

Protanopia

14.9824, 16.4182, 5.6282

Deuteranopia

16.5854, 16.3550, 2.2827

Trichromacy



Original Color

30.7764, 15.9823, 2.7591

Protanomaly

17.6686, 12.7911, 3.9206

Deuteranomaly

19.3269, 13.3013, 1.8654

Monochromacy



Original Color

30.7764, 15.9823, 2.7591

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.0969, 7.4494, 5.1280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7764, 15.9823, 2.7591 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, 9, 31)` looks like.

```
.text, #text, p{  
    color:rgb(223, 9, 31)  
}
```

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, 9, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 9, 31) }
```

Border

The CSS property to change the border of an element to XYZ 30.7764, 15.9823, 2.7591 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, 9, 31) }
```

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

```
.border{ border-color:rgb(223, 9, 31) }
```

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

Here you see how a box with a 4 pixel rgb(223, 9, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 9, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 9, 31);  
box-shadow:4px 4px 4px 4px rgb(223, 9, 31)  
}
```


Background

The CSS property to change the background color of an element to XYZ 30.7764, 15.9823, 2.7591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 9, 31) }
```

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

```
.background{ background-color: rgb(223, 9,  
31) }
```

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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