

Converting Colors

XYZ(32.0242, 18.0127, 5.2088)

Have a look what the booklet for
XYZ(32.0242, 18.0127, 5.2088)
contains.

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Color

**XYZ(32.1310, 18.0589,
5.1604)**

Conversions

Conversions Part 1

Format	Color
Hex	DF3035
RGB	223, 48, 53
RGB Percent	87%, 19%, 21%
CMY	0.1255, 0.8117, 0.7922
CMYK	0.00, 0.78, 0.76, 0.13
HSL	358°, 73%, 53%
HSV	358°, 78%, 87%
XYZ	32.1310, 18.0589, 5.1604
YIQ	100.8950, 102.6950, 38.6550

Conversions

Conversions Part 2

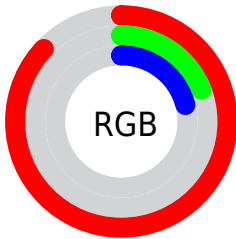
Format	Color
R_{YB}	223, 48, 53
Decimal	14626869
CIE _{Lab}	49.57, 65.69, 40.67
CIE _{LCh}	50, 77.262, 31.762
Yxy	18.0589, 0.5805, 0.3263
Android (android.graphics.Color)	4292816949 (0xFFDF3035)
YUV	100.8950, -23.6122, 107.0861
Hunter-Lab	42.4958, 60.5961, 22.5473

Details

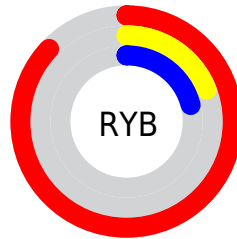
The XYZ color **32.1310, 18.0589, 5.1604** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **40.2637, 58.4664, 75.5016**, and the grayscale version is **12.3845, 13.0295, 14.1891**.

A 20% lighter version of the original color is **49.1162, 33.3320, 15.9016**, and **14.3474, 7.3907, 0.9288** is the 20% darker color. If you saturate the color by 10%, you get **31.0461, 16.5148, 2.8710**, and if you desaturate by 10%, it is **33.8997, 20.6110, 8.7883**.

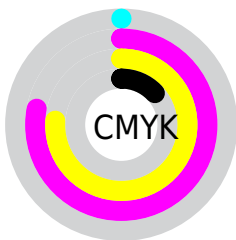
Distribution



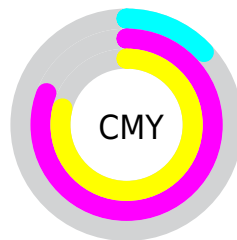
- Red (87%)
- Green (19%)
- Blue (21%)



- Red (87%)
- Yellow (19%)
- Blue (21%)



- Cyan (0%)
- Magenta (78%)
- Yellow (76%)
- Black (13%)





- Cyan (13%)
- Magenta (81%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1310, 18.0589, 5.1604 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 32.1310, 18.0589, 5.1604 by changing the saturation by 10% instead.

 32.1310, 18.0589,
5.1604


 32.1310, 18.0589,
5.1604


303.4503,
241.2028, 160.3618


 21.6176, 10.9923,
2.2813


 62.3802, 40.1377,
16.6081


 13.6912, 6.0616,
0.7207


 82.8467, 55.9186,
26.0138

 7.9865, 2.8826,
0.0000

 107.3617, 75.3731,
38.4321

 4.1380, 1.0708,
0.0000

 136.2904, 98.8856,
54.2816

 1.7805, 0.0000,
0.0000

 169.9983,
126.8404, 73.9808

 0.5059, 0.0000,
0.0000

 208.8506,

 0.0000, 0.0000,

159.6219, 97.9481

0.0000

253.2129,
197.6146, 126.6023

■ 32.1310, 18.0589,
5.1604

■ 32.1310, 18.0589,
5.1604

■ 31.0461, 16.5148,
2.8710

■ 33.8997, 20.6110,
8.7883

■ 30.5213, 15.7832,
1.7155


■ 36.4383, 24.2996,
13.9159


■ 30.4661, 15.7018,
1.6075


■ 39.8219, 29.2376,
20.6823


■ 44.1158, 35.5235,
29.2107

■ 49.3795, 43.2459,
39.6125

 55.6671, 52.4860,
51.9898

 63.0287, 63.3187,
66.4374

 71.5112, 75.8143,
83.0440

 81.1588, 90.0385,
101.8931

Harmonies

Analogous

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



35.4298, 18.0589, 18.4494



32.1310, 18.0589, 5.1604



24.7235, 18.0589, 1.2387

Triad

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



32.1310, 18.0589, 5.1604



7.5097, 18.0589, 6.0914



17.6009, 18.0589, 93.7556

Complementary

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



32.1310, 18.0589, 5.1604



40.2637, 58.4664, 75.5016

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.



11.3284, 18.0589, 80.8585



32.1310, 18.0589, 5.1604



6.5885, 18.0589, 20.9288

Square

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



32.1310, 18.0589, 5.1604



10.7696, 18.0589, 1.4455



7.7620, 18.0589, 49.4352



25.6920, 18.0589, 77.7184

Rectangle

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



32.1310, 18.0589, 5.1604



19.2616, 18.0589, 0.6290



7.7620, 18.0589, 49.4352



15.2254, 18.0589, 92.6356

Sweetspot

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



32.1314, 18.0600, 5.1607



70.3993, 63.7194, 60.5415



43.0416, 22.2200, 71.8320



14.4411, 12.7171, 11.7224



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.



32.1314, 18.0600, 5.1607



41.5612, 21.6686, 2.7576



38.9044, 31.7801, 6.8815



13.7230, 13.7068, 14.3115



17.9207, 9.2353, 0.9820



1.2478, 0.6424, 0.0979

Inverse Universe

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



32.1314, 18.0600, 5.1607



41.5612, 21.6686, 2.7576



24.1138, 25.1065, 73.3867



13.7230, 13.7068, 14.3115



17.9207, 9.2353, 0.9820



1.2478, 0.6424, 0.0979

Previews

White Background



This preview shows how the XYZ color 32.1310, 18.0589, 5.1604 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 32.1310, 18.0589, 5.1604 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 32.1310, 18.0589, 5.1604

Background



This preview shows how black text looks on a background with the XYZ color 32.1310, 18.0589, 5.1604.



This preview shows how white text looks on a background with the XYZ color 32.1310, 18.0589,

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

32.1310, 18.0589, 5.1604

Protanopia

16.9201, 18.3688, 9.3104

Deuteranopia

18.5181, 18.2662, 4.6476



Tritanopia

32.0841, 18.1064, 4.7096

Trichromacy



Original Color

32.1310, 18.0589, 5.1604

Protanomaly

20.0317, 16.0205, 7.3467

Deuteranomaly

21.7252, 16.4482, 4.5124

Tritanomaly

32.1055, 18.1149, 4.8220

Monochromacy



Original Color

32.1310, 18.0589, 5.1604

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

16.2946, 12.6944, 9.9790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1310, 18.0589, 5.1604 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, 48, 53)` looks like.

```
.text, #text, p{  
    color:rgb(223, 48, 53)  
}
```

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, 48, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 48, 53) }
```

Border

The CSS property to change the border of an element to XYZ 32.1310, 18.0589, 5.1604 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, 48, 53) }
```


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

```
.border{ border-color:rgb(223, 48, 53) }
```

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

Here you see how a box with a 4 pixel rgb(223, 48, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 48, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 48, 53);  
box-shadow:4px 4px 4px 4px rgb(223, 48,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1310, 18.0589, 5.1604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 48, 53) }
```

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

```
.background{ background-color: rgb(223, 48,  
53) }
```

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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