

Converting Colors

XYZ(32.3280, 18.1684, 7.5973)

Have a look what the booklet for
XYZ(32.3280, 18.1684, 7.5973)
contains.

XYZ(32.3280, 18.1684, 7.5973)	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(32.3280, 18.1684,
7.5973)**

Conversions

Conversions Part 1

Format	Color
Hex	DE3146
RGB	222, 49, 70
RGB Percent	87%, 19%, 27%
CMY	0.1294, 0.8078, 0.7255
CMYK	0.00, 0.78, 0.68, 0.13
HSL	353°, 72%, 53%
HSV	353°, 78%, 87%
XYZ	32.3280, 18.1684, 7.5973
YIQ	103.1210, 96.3670, 43.2070

Conversions

Conversions Part 2

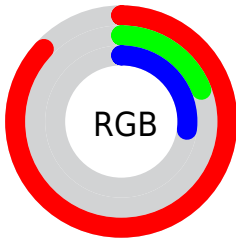
Format	Color
RYB	222, 49, 70
Decimal	14561606
CIELab	49.70, 65.83, 30.94
CIElCh	50, 72.739, 25.172
Yxy	18.1684, 0.5565, 0.3127
Android (android.graphics.Color)	4292751686 (0xFFDE3146)
YUV	103.1210, -16.3287, 104.2569
Hunter-Lab	42.6244, 60.7886, 19.2693

Details

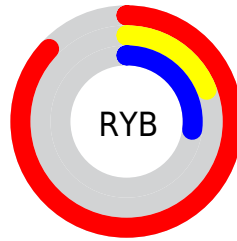
The XYZ color **32.3280, 18.1684, 7.5973** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark muted red. A complement of this color would be **37.9326, 57.1132, 64.2911**, and the grayscale version is **12.9497, 13.6241, 14.8366**.

A 20% lighter version of the original color is **50.1945, 33.9369, 21.0445**, and **14.4959, 7.4501, 1.7109** is the 20% darker color. If you saturate the color by 10%, you get **31.0981, 16.5394, 4.6271**, and if you desaturate by 10%, it is **34.2154, 20.7930, 11.7733**.

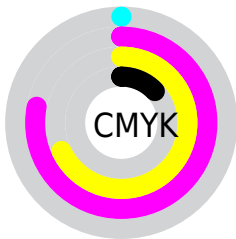
Distribution



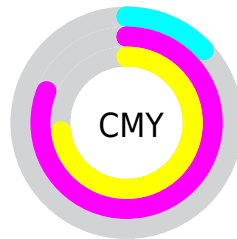
- Red (87%)
- Green (19%)
- Blue (27%)



- Red (87%)
- Yellow (19%)
- Blue (27%)



- Cyan (0%)
- Magenta (78%)
- Yellow (68%)
- Black (13%)





- Cyan (13%)
- Magenta (81%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3280, 18.1684, 7.5973 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 32.3280, 18.1684, 7.5973 by changing the saturation by 10% instead.


 32.3280, 18.1684,
7.5973


 32.3280, 18.1684,
7.5973


304.3295,
241.8185, 182.3535


 21.7689, 11.0710,
3.7543


 62.6867, 40.3241,
21.6981


 13.8029, 6.1146,
1.4916


 83.2170, 56.1511,
32.7930


 8.0645, 2.9149,
0.2116


 107.8017, 75.6567,
47.1423

 4.1884, 1.0875,
0.0000

 136.8062, 99.2254,
65.1645

 1.8092, 0.0000,
0.0000

 170.5959,
127.2416, 87.2782

 0.5232, 0.0000,
0.0000

209.5361,

 0.0000, 0.0000,

160.0895, 113.9019

0.0000

253.9922,
198.1537, 145.4541

■ 32.3280, 18.1684,
7.5973

■ 32.3280, 18.1684,
7.5973

■ 31.0981, 16.5394,
4.6271

■ 34.2154, 20.7930,
11.7733

■ 30.4213, 15.7285,
2.7280


■ 36.8358, 24.5355,
17.2662


■ 30.3211, 15.6083,
2.4474


■ 40.2556, 29.5037,
24.1752


■ 44.5332, 35.7920,
32.5896

■ 49.7217, 43.4856,
42.5914

 55.8697, 52.6625,
54.2566

 63.0225, 63.3949,
67.6563

 71.2223, 75.7504,
82.8576

 80.5092, 89.7924,
99.9238

Harmonies

Analogous

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



34.2111, 18.1684, 23.1665



32.3280, 18.1684, 7.5973



26.0375, 18.1684, 2.0919

Triad

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



32.3280, 18.1684, 7.5973



8.4868, 18.1684, 5.0237



16.1725, 18.1684, 87.2367

Complementary

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



32.3280, 18.1684, 7.5973



37.9326, 57.1132, 64.2911

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.



10.7292, 18.1684, 70.4515



32.3280, 18.1684, 7.5973



7.1133, 18.1684, 16.7449

Square

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



32.3280, 18.1684, 7.5973



12.2046, 18.1684, 1.4535



7.8082, 18.1684, 40.8214



23.5691, 18.1684, 78.1999

Rectangle

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



32.3280, 18.1684, 7.5973



20.9028, 18.1684, 1.0790



7.8082, 18.1684, 40.8214



14.0820, 18.1684, 84.2229

Sweetspot

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



32.3284, 18.1695, 7.5976



71.8940, 65.2320, 65.5929



37.8195, 19.6049, 70.8976



14.7543, 13.0171, 12.8329



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.



32.3284, 18.1695, 7.5976



41.8769, 21.7949, 4.4202



36.5217, 27.4375, 6.2783



13.7745, 13.7275, 14.5829



18.0318, 9.2797, 1.5672



1.2725, 0.6523, 0.2276

Inverse Universe

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



32.3284, 18.1695, 7.5976



41.8769, 21.7949, 4.4202



26.7766, 30.5763, 73.5974



13.7745, 13.7275, 14.5829



18.0318, 9.2797, 1.5672



1.2725, 0.6523, 0.2276

Previews

White Background



This preview shows how the XYZ color 32.3280, 18.1684, 7.5973 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 32.3280, 18.1684, 7.5973 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 32.3280, 18.1684, 7.5973

Background



This preview shows how black text looks on a background with the XYZ color 32.3280, 18.1684, 7.5973.



This preview shows how white text looks on a background with the XYZ color 32.3280, 18.1684,

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

32.3280, 18.1684, 7.5973

Protanopia

17.3123, 18.4738, 13.7197

Deuteranopia

18.5748, 18.2475, 6.8181



Tritanopia

31.6894, 18.0852, 5.1887

Trichromacy



Original Color

32.3280, 18.1684, 7.5973

Protanomaly

20.4209, 16.2706, 11.0811

Deuteranomaly

22.0371, 16.6812, 6.9088

Tritanomaly

31.7920, 18.0556, 5.9471

Monochromacy



Original Color

32.3280, 18.1684, 7.5973

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

16.8356, 13.0528, 11.5296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3280, 18.1684, 7.5973 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(222, 49, 70)` looks like.

```
.text, #text, p{  
    color:rgb(222, 49, 70)  
}
```

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(222, 49, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 49, 70) }
```

Border

The CSS property to change the border of an element to XYZ 32.3280, 18.1684, 7.5973 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(222, 49, 70) }
```


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

```
.border{ border-color:rgb(222, 49, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 49, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 49, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 49, 70);  
box-shadow:4px 4px 4px 4px rgb(222, 49,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3280, 18.1684, 7.5973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 49, 70) }
```

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

```
.background{ background-color: rgb(222, 49,  
70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor