

# Converting Colors

XYZ(32.6274, 19.5337, 9.3242)

Have a look what the booklet for  
XYZ(32.6274, 19.5337, 9.3242)  
contains.

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# Color

**XYZ(32.5368, 19.5066,  
9.2580)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB424E
RGB	219, 66, 78
RGB Percent	86%, 26%, 31%
CMY	0.1412, 0.7411, 0.6941
CMYK	0.00, 0.70, 0.64, 0.14
HSL	355°, 68%, 56%
HSV	355°, 70%, 86%
XYZ	32.5368, 19.5066, 9.2580
YIQ	113.1150, 87.3360, 36.1680

# Conversions

## Conversions Part 2

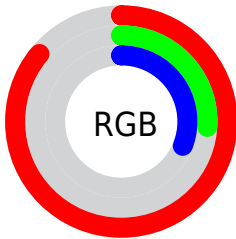
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">219, 66, 78</a>
Decimal	<a href="#">14369358</a>
CIELab	<a href="#">51.27, 59.79, 28.04</a>
CIELCh	<a href="#">51, 66.043, 25.128</a>
Yxy	<a href="#">19.5066, 0.5308, 0.3182</a>
Android (android.graphics.Color)	<a href="#">4292559438</a> ( <a href="#">0xFFDB424E</a> )
YUV	<a href="#">113.1150, -17.3117, 92.8611</a>
Hunter-Lab	<a href="#">44.1663, 54.2080, 18.4882</a>

# Details

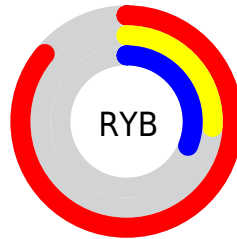
The XYZ color **32.5368, 19.5066, 9.2580** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **38.8425, 56.3268, 67.8626**, and the grayscale version is **15.7630, 16.5839, 18.0599**.

A 20% lighter version of the original color is **52.1537, 36.9582, 24.4635**, and **14.1934, 7.2836, 2.1712** is the 20% darker color. If you saturate the color by 10%, you get **30.8771, 17.1732, 5.6660**, and if you desaturate by 10%, it is **34.9090, 22.9101, 14.1831**.

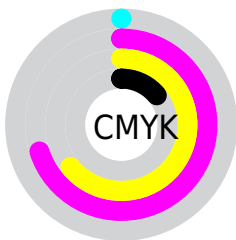
# Distribution



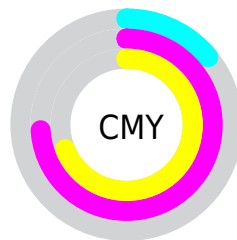
- Red (86%)
- Green (26%)
- Blue (31%)



- Red (86%)
- Yellow (26%)
- Blue (31%)



- Cyan (0%)
- Magenta (70%)
- Yellow (64%)
- Black (14%)




- Cyan (14%)
- Magenta (74%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5368, 19.5066, 9.2580 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 32.5368, 19.5066, 9.2580 by changing the saturation by 10% instead.




 32.5368, 19.5066,  
9.2580


 32.5368, 19.5066,  
9.2580


305.2594,  
249.2314, 195.5795


 21.9294, 12.0369,  
4.8107


 63.0112, 42.5884,  
24.9758


 13.9213, 6.7688,  
2.0799


 83.6089, 58.9693,  
37.0834


 8.1473, 3.3179,  
0.6037


 108.2674, 79.0894,  
52.5816

 4.2419, 1.2999,  
0.0000

 137.3521,  
103.3330, 71.8889

 1.8399, 0.1411,  
0.0000

 171.2282,  
132.0847, 95.4237

 0.5415, 0.0000,  
0.0000

210.2613,

 0.0000, 0.0000,

165.7287, 123.6048

0.0000

254.8165,  
204.6494, 156.8505

■ 32.5368, 19.5066,  
9.2580

■ 32.5368, 19.5066,  
9.2580

■ 30.8771, 17.1732,  
5.6660

■ 34.9090, 22.9101,  
14.1831

■ 29.8482, 15.7795,  
3.2754

■ 38.0607, 27.4878,  
20.5540


■ 29.3214, 15.1086,  
1.9198


■ 42.0528, 33.3351,  
28.4725


■ 29.3157, 15.1010,  
1.9067


■ 46.9397, 40.5368,  
38.0309

■ 52.7712, 49.1704,  
49.3142

 59.5935, 59.3074,  
62.4017

 67.4497, 71.0147,  
77.3676

 76.3803, 84.3549,  
94.2820

 83.0232, 93.8000,  
108.3372

# Harmonies

## Analogous

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



34.2435, 19.5066, 24.4718



32.5368, 19.5066, 9.2580



26.7672, 19.5066, 3.2135

# Triad

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



32.5368, 19.5066, 9.2580



9.9683, 19.5066, 6.5165



17.4853, 19.5066, 81.7743

# Complementary

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



32.5368, 19.5066, 9.2580



38.8425, 56.3268, 67.8626

# 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.



12.1999, 19.5066, 67.0742



32.5368, 19.5066, 9.2580



8.5660, 19.5066, 18.3049

# Square

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



32.5368, 19.5066, 9.2580



13.6645, 19.5066, 2.4157



9.2738, 19.5066, 40.6707



24.4569, 19.5066, 73.9270



# Rectangle

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



32.5368, 19.5066, 9.2580



21.9854, 19.5066, 1.9315



9.2738, 19.5066, 40.6707



15.4755, 19.5066, 79.1398

# Sweetspot

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



32.5373, 19.5077, 9.2583



73.3294, 67.6825, 67.3669



40.2581, 22.1698, 69.1748



15.1862, 13.7322, 13.4359



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.



32.5373, 19.5077, 9.2583



42.7793, 23.1334, 6.1586



38.1472, 31.3539, 9.1972



13.0972, 13.0680, 13.7734



17.3987, 8.9605, 1.2135



1.1419, 0.5864, 0.1563



# Inverse Universe

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



32.5373, 19.5077, 9.2583



42.7793, 23.1334, 6.1586



26.7973, 29.8004, 71.3571



13.0972, 13.0680, 13.7734



17.3987, 8.9605, 1.2135



1.1419, 0.5864, 0.1563



# Previews

## White Background



This preview shows how the XYZ color 32.5368, 19.5066, 9.2580 looks on a white 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



# Black Background



This preview shows how the XYZ color 32.5368, 19.5066, 9.2580 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 32.5368, 19.5066, 9.2580**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.5368, 19.5066, 9.2580.



This preview shows how white text looks on a background with the XYZ color 32.5368, 19.5066,



# 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

32.5368, 19.5066, 9.2580

### Protanopia

18.5144, 19.6045, 15.1201

### Deuteranopia

20.0445, 19.6488, 8.5305



## Tritanopia

32.3579, 19.5293, 8.0253

# Trichromacy



## Original Color

32.5368, 19.5066, 9.2580

## Protanomaly

21.6274, 17.9744, 12.6854

## Deuteranomaly

23.2495, 18.3304, 8.6161

## Tritanomaly

32.4566, 19.5688, 8.5451

# Monochromacy



## Original Color

32.5368, 19.5066, 9.2580

## Achromatopsia

15.6958, 16.5132, 17.9829

## Achromatomaly

19.4320, 15.9612, 14.1132

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.5368, 19.5066, 9.2580 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(219, 66, 78)` looks like.

```
.text, #text, p{  
    color:rgb(219, 66, 78)  
}
```

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(219, 66, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 66, 78) }
```

## Border

The CSS property to change the border of an element to XYZ 32.5368, 19.5066, 9.2580 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(219, 66, 78) }
```



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

```
.border{ border-color:rgb(219, 66, 78) }
```

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

Here you see how a box with a 4 pixel rgb(219, 66, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 66, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 66, 78);  
box-shadow:4px 4px 4px 4px rgb(219, 66,  
78) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.5368, 19.5066, 9.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 66, 78) }
```

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

```
.background{ background-color: rgb(219, 66,  
78) }
```

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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