

Converting Colors

XYZ(32.6248, 18.1988, 10.7982)

Have a look what the booklet for
XYZ(32.6248, 18.1988, 10.7982)
contains.

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Color

**XYZ(32.5960, 18.1742,
10.8068)**

Conversions

Conversions Part 1

Format	Color
Hex	DD3057
RGB	221, 48, 87
RGB Percent	87%, 19%, 34%
CMY	0.1333, 0.8117, 0.6588
CMYK	0.00, 0.78, 0.61, 0.13
HSL	346°, 72%, 53%
HSV	346°, 78%, 87%
XYZ	32.5960, 18.1742, 10.8068
YIQ	104.1730, 90.5890, 48.8050

Conversions

Conversions Part 2

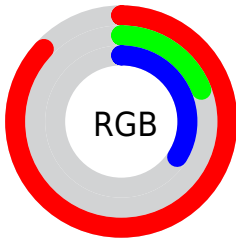
Format	Color
R_{YB}	221, 48, 87
Decimal	14495831
CIE _{Lab}	49.71, 66.76, 20.69
CIE _{LCh}	50, 69.895, 17.217
Yxy	18.1742, 0.5294, 0.2951
Android (android.graphics.Color)	4292685911 (0xFFDD3057)
YUV	104.1730, -8.4663, 102.4573
Hunter-Lab	42.6312, 61.8772, 14.8121

Details

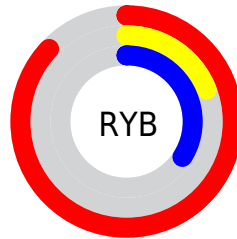
The XYZ color **32.5960, 18.1742, 10.8068** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark muted red. A complement of this color would be **35.5208, 55.7192, 53.1461**, and the grayscale version is **13.2111, 13.8991, 15.1361**.

A 20% lighter version of the original color is **51.2599, 34.1894, 27.1901**, and **14.7160, 7.5381, 2.8699** is the 20% darker color. If you saturate the color by 10%, you get **31.2878, 16.5478, 7.3197**, and if you desaturate by 10%, it is **34.5207, 20.7686, 15.3179**.

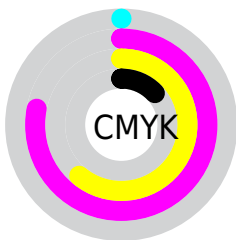
Distribution



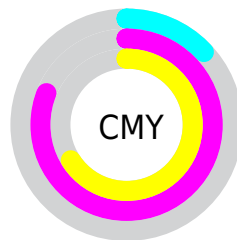
- Red (87%)
- Green (19%)
- Blue (34%)



- Red (87%)
- Yellow (19%)
- Blue (34%)



- Cyan (0%)
- Magenta (78%)
- Yellow (61%)
- Black (13%)





- Cyan (13%)
- Magenta (81%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5960, 18.1742, 10.8068 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 32.5960, 18.1742, 10.8068 by changing the saturation by 10% instead.


 32.5960, 18.1742,
10.8068


 32.5960, 18.1742,
10.8068


305.5226,
241.8511, 207.0269

 21.9749, 11.0751,
5.8245


 63.1032, 40.3339,
27.9335

 13.9549, 6.1174,
2.6716


 83.7200, 56.1634,
40.9151


 8.1708, 2.9166,
0.9291


 108.3993, 75.6717,
57.4001

 4.2572, 1.0883,
0.0000

 137.5067, 99.2434,
77.8072

 1.8486, 0.0000,
0.0000

 171.4073,
127.2628, 102.5549

 0.5467, 0.0000,
0.0000

210.4666,

 0.0000, 0.0000,

160.1143, 132.0617

0.0000

255.0499,
198.1822, 166.7462

■ 32.5960, 18.1742,
10.8068

■ 32.5960, 18.1742,
10.8068

■ 31.2878, 16.5478,
7.3197

■ 34.5207, 20.7686,
15.3179

■ 30.4971, 15.7097,
4.7644

■ 37.1302, 24.4499,
20.9284

■ 30.3901, 15.6007,
4.4053

■ 40.4849, 29.3231,
27.7071

■ 44.6378, 35.4800,
35.7166

■ 49.6372, 43.0032,
45.0151

■ 55.5274, 51.9685,
55.6569

■ 62.3494, 62.4460,
67.6930

■ 70.1419, 74.5014,
81.1720

■ 78.9413, 88.1963,
96.1398

Harmonies

Analogous

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



32.9886, 18.1742, 29.0496



32.5960, 18.1742, 10.8068



27.4982, 18.1742, 3.2421

Triad

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



32.5960, 18.1742, 10.8068



9.4852, 18.1742, 3.8797



14.5960, 18.1742, 81.3093

Complementary

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



32.5960, 18.1742, 10.8068



35.5208, 55.7192, 53.1461

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.



9.9621, 18.1742, 60.6796



32.5960, 18.1742, 10.8068



7.5628, 18.1742, 12.7403

Square

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



32.5960, 18.1742, 10.8068



13.7584, 18.1742, 1.3706



7.7114, 18.1742, 32.7299



21.3426, 18.1742, 79.4426

Rectangle

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



32.5960, 18.1742, 10.8068



22.7150, 18.1742, 1.5862



7.7114, 18.1742, 32.7299



12.7797, 18.1742, 76.4089

Sweetspot

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



32.5964, 18.1753, 10.8071



72.6381, 65.5296, 69.5110



33.0795, 17.1154, 69.9662



14.9297, 13.0873, 13.7567



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.



32.5964, 18.1753, 10.8071



42.4993, 22.0439, 7.6976



34.3679, 23.6166, 5.5450



13.1756, 13.0993, 14.1861



17.6897, 9.0769, 2.7460



1.1789, 0.6012, 0.3510

Inverse Universe

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



32.5964, 18.1753, 10.8071



42.4993, 22.0439, 7.6976



29.5754, 36.4585, 73.8845



13.1756, 13.0993, 14.1861



17.6897, 9.0769, 2.7460



1.1789, 0.6012, 0.3510

Previews

White Background



This preview shows how the XYZ color 32.5960, 18.1742, 10.8068 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 32.5960, 18.1742, 10.8068 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 32.5960, 18.1742, 10.8068

Background



This preview shows how black text looks on a background with the XYZ color 32.5960, 18.1742, 10.8068.



This preview shows how white text looks on a background with the XYZ color 32.5960, 18.1742,

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

32.5960, 18.1742, 10.8068

Protanopia

17.6336, 18.3298, 19.7482

Deuteranopia

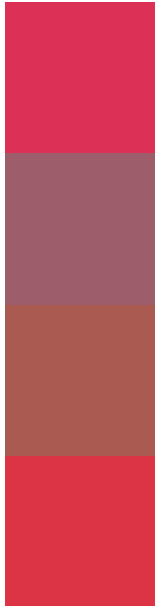
18.7202, 18.4243, 9.7773



Tritanopia

31.6199, 18.2434, 5.7257

Trichromacy



Original Color

32.5960, 18.1742, 10.8068

Protanomaly

20.4728, 16.0583, 15.9305

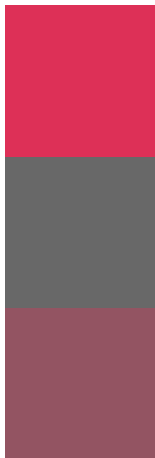
Deuteranomaly

21.9360, 16.5643, 9.8257

Tritanomaly

31.7866, 18.0890, 7.2850

Monochromacy



Original Color

32.5960, 18.1742, 10.8068

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

17.4076, 13.4255, 13.2292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5960, 18.1742, 10.8068 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(221, 48, 87)` looks like.

```
.text, #text, p{  
    color:rgb(221, 48, 87)  
}
```

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(221, 48, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 48, 87) }
```

Border

The CSS property to change the border of an element to XYZ 32.5960, 18.1742, 10.8068 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(221, 48, 87) }
```


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

```
.border{ border-color:rgb(221, 48, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 48, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 48, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 48, 87);  
box-shadow:4px 4px 4px 4px rgb(221, 48,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5960, 18.1742, 10.8068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 48, 87) }
```

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

```
.background{ background-color: rgb(221, 48,  
87) }
```

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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