

Converting Colors

XYZ(33.2054, 19.0272, 10.8752)

Have a look what the booklet for
XYZ(33.2054, 19.0272, 10.8752)
contains.

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Color

**XYZ(33.2587, 19.0461,
10.9402)**

Conversions

Conversions Part 1

Format	Color
Hex	DE3857
RGB	222, 56, 87
RGB Percent	87%, 22%, 34%
CMY	0.1294, 0.7803, 0.6588
CMYK	0.00, 0.75, 0.61, 0.13
HSL	349°, 72%, 55%
HSV	349°, 75%, 87%
XYZ	33.2587, 19.0461, 10.9402
YIQ	109.1680, 88.9850, 44.8330

Conversions

Conversions Part 2

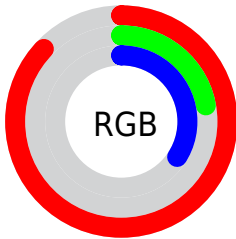
Format	Color
R_{YB}	222, 56, 87
Decimal	14563415
CIE Lab	50.74, 64.66, 22.09
CIE LCh	51, 68.330, 18.863
Yxy	19.0461, 0.5259, 0.3011
Android (android.graphics.Color)	4292753495 (0xFFDE3857)
YUV	109.1680, -10.9288, 98.9537
Hunter-Lab	43.6418, 59.6586, 15.6864

Details

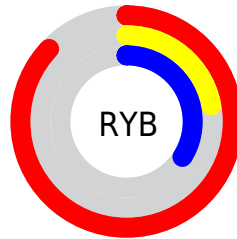
The XYZ color **33.2587, 19.0461, 10.9402** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark muted red. A complement of this color would be **37.1580, 56.8455, 58.3107**, and the grayscale version is **14.5973, 15.3575, 16.7244**.

A 20% lighter version of the original color is **52.0007, 35.5569, 27.7893**, and **14.9151, 7.6408, 2.8792** is the 20% darker color. If you saturate the color by 10%, you get **31.7632, 17.0919, 7.2463**, and if you desaturate by 10%, it is **35.4163, 22.0296, 15.7652**.

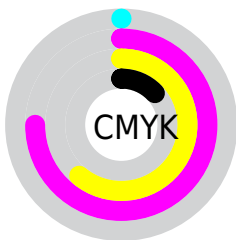
Distribution



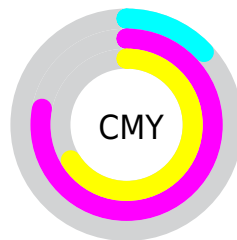
- Red (87%)
- Green (22%)
- Blue (34%)



- Red (87%)
- Yellow (22%)
- Blue (34%)



- Cyan (0%)
- Magenta (75%)
- Yellow (61%)
- Black (13%)




- Cyan (13%)
- Magenta (78%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2587, 19.0461, 10.9402 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 33.2587, 19.0461, 10.9402 by changing the saturation by 10% instead.


 33.2587, 19.0461,
10.9402


 33.2587, 19.0461,
10.9402

308.4583,
246.7031, 207.9795

 22.4849, 11.7036,
5.9130


 64.1312, 41.8120,
28.1845

 14.3322, 6.5422,
2.7243


 84.9606, 58.0041,
41.2386


 8.4353, 3.1775,
0.9556


 109.8725, 77.9150,
57.8055

 4.4289, 1.2251,
0.0000

 139.2324,
101.9289, 78.3036

 1.9475, 0.0820,
0.0000

 173.4056,
130.4303, 103.1515

 0.6042, 0.0000,
0.0000

212.7574,

 0.0000, 0.0000,

163.8035, 132.7678

0.0000

257.6531,
202.4330, 167.5710

■ 33.2587, 19.0461,
10.9402

■ 33.2587, 19.0461,
10.9402

■ 31.7632, 17.0919,
7.2463

■ 35.4163, 22.0296,
15.7652

■ 30.8460, 16.0212,
4.5859


■ 38.3030, 26.1561,
21.8054


■ 30.5321, 15.6927,
3.5585


■ 41.9792, 31.5275,
29.1374


■ 46.4981, 38.2340,
37.8314

■ 51.9086, 46.3569,
47.9523

 58.2554, 55.9714,
59.5608

 65.5805, 67.1470,
72.7141

 73.9232, 79.9493,
87.4663

 83.0610, 93.9203,
103.7824

Harmonies

Analogous

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



33.9381, 19.0461, 28.7234



33.2587, 19.0461, 10.9402



27.9839, 19.0461, 3.5028

Triad

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



33.2587, 19.0461, 10.9402



10.0219, 19.0461, 4.6922



15.7237, 19.0461, 82.2058

Complementary

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



33.2587, 19.0461, 10.9402



37.1580, 56.8455, 58.3107

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.



10.8736, 19.0461, 62.8597



33.2587, 19.0461, 10.9402



8.1666, 19.0461, 14.3894

Square

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



33.2587, 19.0461, 10.9402



14.2443, 19.0461, 1.7435



8.4341, 19.0461, 35.1219



22.6018, 19.0461, 79.0207

Rectangle

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



33.2587, 19.0461, 10.9402



23.1640, 19.0461, 1.8415



8.4341, 19.0461, 35.1219



13.8383, 19.0461, 77.8039

Sweetspot

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



33.2592, 19.0472, 10.9405



73.1953, 66.6828, 69.5775



35.5367, 18.8970, 70.8814



15.1874, 13.5489, 14.0085



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.



33.2592, 19.0472, 10.9405



42.6524, 22.3984, 7.5995



35.9725, 26.0838, 6.8817



13.8112, 13.7421, 14.7762



18.1656, 9.3332, 2.2718



1.2898, 0.6592, 0.3190

Inverse Universe

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



33.2592, 19.0472, 10.9405



42.6524, 22.3984, 7.5995



29.6076, 35.6976, 74.4367



13.8112, 13.7421, 14.7762



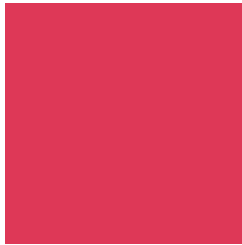
18.1656, 9.3332, 2.2718



1.2898, 0.6592, 0.3190

Previews

White Background



This preview shows how the XYZ color 33.2587, 19.0461, 10.9402 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 33.2587, 19.0461, 10.9402 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 33.2587, 19.0461, 10.9402

Background



This preview shows how black text looks on a background with the XYZ color 33.2587, 19.0461, 10.9402.

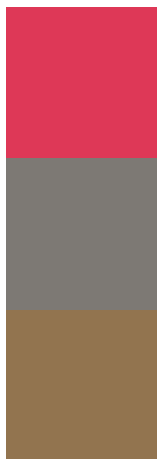


This preview shows how white text looks on a background with the XYZ color 33.2587, 19.0461,

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

33.2587, 19.0461, 10.9402

Protanopia

18.4472, 19.2957, 19.2752

Deuteranopia

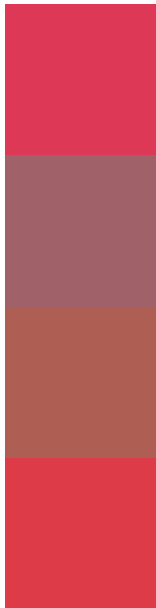
19.5107, 19.1663, 10.0683



Tritanopia

32.3847, 19.0685, 6.6764

Trichromacy



Original Color

33.2587, 19.0461, 10.9402

Protanomaly

21.3217, 17.0429, 15.5304

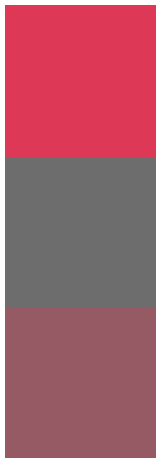
Deuteranomaly

22.9813, 17.6133, 10.1711

Tritanomaly

32.5525, 18.9680, 8.0764

Monochromacy



Original Color

33.2587, 19.0461, 10.9402

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

18.5828, 14.7359, 14.1768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2587, 19.0461, 10.9402 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, 56, 87)` looks like.

```
.text, #text, p{  
    color:rgb(222, 56, 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(222, 56, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 56, 87) }
```

Border

The CSS property to change the border of an element to XYZ 33.2587, 19.0461, 10.9402 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, 56, 87) }
```


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

```
.border{ border-color:rgb(222, 56, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 56, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 56, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 56, 87);  
box-shadow:4px 4px 4px 4px rgb(222, 56,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2587, 19.0461, 10.9402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 56, 87) }
```

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

```
.background{ background-color: rgb(222, 56,  
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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