

Converting Colors

XYZ(34.0919, 18.6138, 10.5872)

Have a look what the booklet for
XYZ(34.0919, 18.6138, 10.5872)
contains.

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Color

**XYZ(34.1862, 18.6587,
10.6038)**

Conversions

Conversions Part 1

Format	Color
Hex	E32A56
RGB	227, 42, 86
RGB Percent	89%, 16%, 34%
CMY	0.1098, 0.8352, 0.6627
CMYK	0.00, 0.81, 0.62, 0.11
HSL	346°, 77%, 53%
HSV	346°, 81%, 89%
XYZ	34.1862, 18.6587, 10.6038
YIQ	102.3310, 96.1360, 52.9040

Conversions

Conversions Part 2

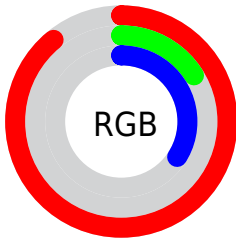
Format	Color
R_{YB}	227, 42, 86
Decimal	14887510
CIE Lab	50.29, 69.87, 22.27
CIE LCh	50, 73.333, 17.678
Yxy	18.6587, 0.5388, 0.2941
Android (android.graphics.Color)	4293077590 (0xFFE32A56)
YUV	102.3310, -8.0512, 109.3347
Hunter-Lab	43.1957, 65.6770, 15.6823

Details

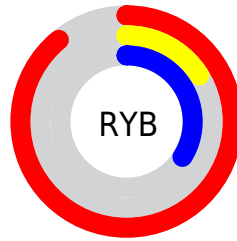
The XYZ color **34.1862, 18.6587, 10.6038** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **36.9733, 58.8500, 54.2189**, and the grayscale version is **12.7208, 13.3832, 14.5743**.

A 20% lighter version of the original color is **50.8709, 33.5247, 26.7114**, and **15.7278, 8.0597, 2.9172** is the 20% darker color. If you saturate the color by 10%, you get **32.9814, 17.2333, 7.1692**, and if you desaturate by 10%, it is **36.0159, 21.0643, 15.0794**.

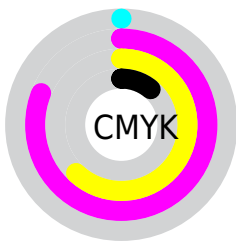
Distribution



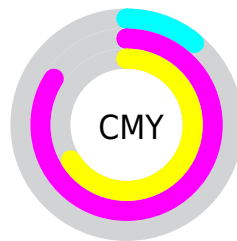
- Red (89%)
- Green (16%)
- Blue (34%)



- Red (89%)
- Yellow (16%)
- Blue (34%)



- Cyan (0%)
- Magenta (81%)
- Yellow (62%)
- Black (11%)





- Cyan (11%)
- Magenta (84%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1862, 18.6587, 10.6038 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 34.1862, 18.6587, 10.6038 by changing the saturation by 10% instead.


 34.1862, 18.6587,
10.6038


 34.1862, 18.6587,
10.6038


312.5328,
244.5581, 205.5677

 23.2002, 11.4239,
5.6903


 65.5655, 41.1566,
27.5505


 14.8629, 6.3527,
2.5920


 86.6895, 57.1885,
40.4208


 8.8089, 3.0607,
0.8883


 111.9237, 76.9215,
56.7805

 4.6729, 1.1635,
0.0000

 141.6332,
100.7401, 77.0480

 2.0894, 0.0316,
0.0000

 176.1835,
129.0287, 101.6419

 0.6834, 0.0000,
0.0000

215.9400,

 0.0000, 0.0000,

162.1716, 130.9808

0.0000

261.2680,
200.5533, 165.4833

■ 34.1862, 18.6587,
10.6038

■ 34.1862, 18.6587,
10.6038

■ 32.9814, 17.2333,
7.1692

■ 36.0159, 21.0643,
15.0794


■ 32.3436, 16.5969,
4.9856


■ 38.5474, 24.5857,
20.6765


■ 41.8477, 29.3402,
27.4675


■ 45.9749, 35.4294,
35.5186

■ 50.9817, 42.9442,
44.8907

 56.9160, 51.9675,
55.6407

 63.8225, 62.5760,
67.8220

 71.7428, 74.8409,
81.4852

 80.7160, 88.8292,
96.6784

Harmonies

Analogous

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



34.7004, 18.6587, 29.8567



34.1862, 18.6587, 10.6038



28.6090, 18.6587, 2.9494

Triad

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



34.1862, 18.6587, 10.6038



9.4328, 18.6587, 3.7224



14.9772, 18.6587, 87.4802

Complementary

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



34.1862, 18.6587, 10.6038



36.9733, 58.8500, 54.2189

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.



10.0377, 18.6587, 65.1201



34.1862, 18.6587, 10.6038



7.4592, 18.6587, 13.0611

Square

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



34.1862, 18.6587, 10.6038



13.9025, 18.6587, 1.1926



7.6462, 18.6587, 34.6568



22.2130, 18.6587, 85.0002

Rectangle

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



34.1862, 18.6587, 10.6038



23.4430, 18.6587, 1.3638



7.6462, 18.6587, 34.6568



13.0373, 18.6587, 82.2174

Sweetspot

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



34.1866, 18.6598, 10.6041



71.9158, 64.3260, 68.5273



33.6920, 16.9972, 74.1776



14.7950, 12.8586, 13.5861



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.



34.1866, 18.6598, 10.6041



42.2356, 21.7468, 6.8998



35.6079, 23.5207, 4.8553



14.5167, 14.4239, 15.6556



18.9009, 9.6946, 3.1073



1.4324, 0.7307, 0.4174

Inverse Universe

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



34.1866, 18.6598, 10.6041



42.2356, 21.7468, 6.8998



31.2944, 38.9863, 78.5483



14.5167, 14.4239, 15.6556



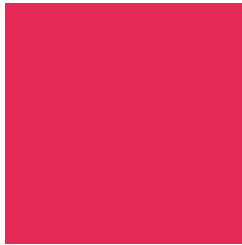
18.9009, 9.6946, 3.1073



1.4324, 0.7307, 0.4174

Previews

White Background



This preview shows how the XYZ color 34.1862, 18.6587, 10.6038 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 34.1862, 18.6587, 10.6038 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 34.1862, 18.6587, 10.6038

Background



This preview shows how black text looks on a background with the XYZ color 34.1862, 18.6587, 10.6038.



This preview shows how white text looks on a background with the XYZ color 34.1862, 18.6587,

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

34.1862, 18.6587, 10.6038

Protanopia

18.2146, 18.9758, 20.1554

Deuteranopia

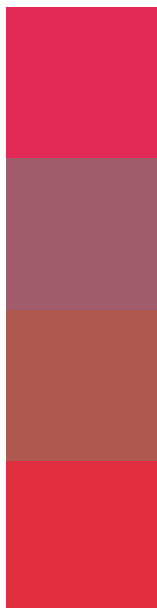
19.1473, 18.8170, 9.6441



Tritanopia

33.1022, 18.6890, 4.9946

Trichromacy



Original Color

34.1862, 18.6587, 10.6038

Protanomaly

21.1789, 16.2929, 15.9385

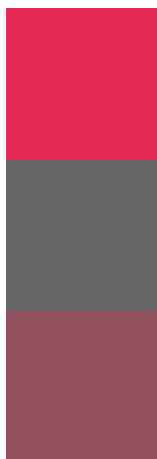
Deuteranomaly

22.6169, 16.6726, 9.6155

Tritanomaly

33.3060, 18.5719, 6.6798

Monochromacy



Original Color

34.1862, 18.6587, 10.6038

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

17.0126, 12.7849, 12.6374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1862, 18.6587, 10.6038 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(227, 42, 86)` looks like.

```
.text, #text, p{  
  color:rgb(227, 42, 86)  
}
```

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(227, 42, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 42, 86) }
```

Border

The CSS property to change the border of an element to XYZ 34.1862, 18.6587, 10.6038 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(227, 42, 86) }
```


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

```
.border{ border-color:rgb(227, 42, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 42, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 42, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 42, 86);  
box-shadow:4px 4px 4px 4px rgb(227, 42,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1862, 18.6587, 10.6038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 42, 86) }
```

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

```
.background{ background-color: rgb(227, 42,  
86) }
```

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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