

Converting Colors

XYZ(35.5348, 18.5590, 9.4531)

Have a look what the booklet for
XYZ(35.5348, 18.5590, 9.4531)
contains.

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Color

**XYZ(35.6851, 18.6228,
9.4983)**

Conversions

Conversions Part 1

Format	Color
Hex	EA1551
RGB	234, 21, 81
RGB Percent	92%, 8%, 32%
CMY	0.0824, 0.9175, 0.6824
CMYK	0.00, 0.91, 0.65, 0.08
HSL	343°, 84%, 50%
HSV	343°, 91%, 92%
XYZ	35.6851, 18.6228, 9.4983
YIQ	91.5270, 107.6880, 63.8160

Conversions

Conversions Part 2

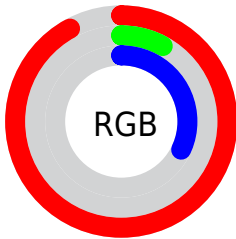
Format	Color
R_{YB}	234, 21, 81
Decimal	15340881
CIE Lab	50.24, 75.18, 25.51
CIE LCh	50, 79.387, 18.745
Yxy	18.6228, 0.5593, 0.2919
Android (android.graphics.Color)	4293530961 (0xFFEA1551)
YUV	91.5270, -5.1898, 124.9488
Hunter-Lab	43.1541, 72.0858, 17.1581

Details

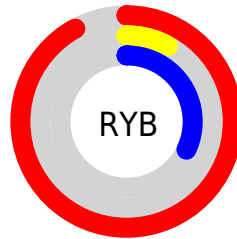
The XYZ color **35.6851, 18.6228, 9.4983** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **37.3757, 62.0624, 50.0697**, and the grayscale version is **10.0621, 10.5861, 11.5282**.

A 20% lighter version of the original color is **49.7311, 31.7954, 24.6351**, and **16.9115, 8.6796, 2.5343** is the 20% darker color. If you saturate the color by 10%, you get **34.9117, 17.8844, 6.7494**, and if you desaturate by 10%, it is **37.0441, 20.2043, 13.4560**.

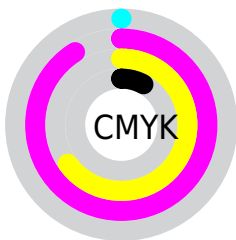
Distribution



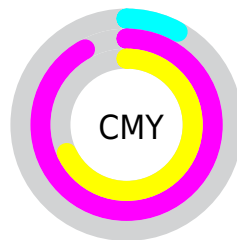
- Red (92%)
- Green (8%)
- Blue (32%)



- Red (92%)
- Yellow (8%)
- Blue (32%)



- Cyan (0%)
- Magenta (91%)
- Yellow (65%)
- Black (8%)





- Cyan (8%)
- Magenta (92%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6851, 18.6228, 9.4983 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 35.6851, 18.6228, 9.4983 by changing the saturation by 10% instead.


 35.6851, 18.6228,
9.4983


 35.6851, 18.6228,
9.4983


319.0374,
244.3584, 197.4058


 24.3601, 11.3980,
4.9664


 67.8728, 41.0957,
25.4404

 15.7271, 6.3352,
2.1692


 89.4662, 57.1127,
37.6876

 9.4209, 3.0500,
0.6565


 115.2131, 76.8292,
53.3437

 5.0760, 1.1579,
0.0000

 145.4788,
100.6296, 72.8272

 2.3271, 0.0269,
0.0000

 180.6287,
128.8984, 96.5566

 0.8085, 0.0000,
0.0000

 221.0283,

 0.0000, 0.0000,

162.0198, 124.9505

0.0000

267.0427,
200.3784, 158.4274

■ 35.6851, 18.6228,
9.4983

■ 35.6851, 18.6228,
9.4983

■ 34.9117, 17.8844,
6.7494

■ 37.0441, 20.2043,
13.4560

■ 39.0613, 22.8354,
18.4548

■ 41.8186, 26.6647,
24.5696

■ 45.3850, 31.8158,
31.8673

■ 49.8211, 38.3970,
40.4089

■ 55.1816, 46.5050,
50.2512

■ 61.5166, 56.2283,
61.4470

■ 68.8724, 67.6485,
74.0463

■ 77.2925, 80.8415,
88.0965

Harmonies

Analogous

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



36.4877, 18.6228, 29.6996



35.6851, 18.6228, 9.4983



29.3298, 18.6228, 2.2069

Triad

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



35.6851, 18.6228, 9.4983



8.7595, 18.6228, 3.2224



14.9724, 18.6228, 96.4408

Complementary

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



35.6851, 18.6228, 9.4983



37.3757, 62.0624, 50.0697

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.



9.6408, 18.6228, 71.5682



35.6851, 18.6228, 9.4983



6.8101, 18.6228, 13.0936

Square

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



35.6851, 18.6228, 9.4983



13.3672, 18.6228, 0.8005



7.0775, 18.6228, 37.1261



22.8815, 18.6228, 92.4538

Rectangle

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



35.6851, 18.6228, 9.4983



23.6101, 18.6228, 0.8837



7.0775, 18.6228, 37.1261



12.8696, 18.6228, 90.7231

Sweetspot

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



35.6855, 18.6240, 9.4986



69.9149, 60.8748, 66.1632



32.4996, 15.4375, 79.1085



14.4245, 12.2038, 13.1973



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.



35.6855, 18.6240, 9.4986



42.4033, 21.7253, 8.0559



36.0848, 21.5818, 2.9748



15.2398, 15.1238, 16.5481



19.6649, 10.0687, 4.0367



1.5841, 0.8066, 0.5271

Inverse Universe

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



35.6855, 18.6240, 9.4986



42.4033, 21.7253, 8.0559



33.1138, 42.0055, 84.2042



15.2398, 15.1238, 16.5481



19.6649, 10.0687, 4.0367



1.5841, 0.8066, 0.5271

Previews

White Background



This preview shows how the XYZ color 35.6851, 18.6228, 9.4983 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 35.6851, 18.6228, 9.4983 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 35.6851, 18.6228, 9.4983

Background



This preview shows how black text looks on a background with the XYZ color 35.6851, 18.6228, 9.4983.



This preview shows how white text looks on a background with the XYZ color 35.6851, 18.6228,

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

35.6851, 18.6228, 9.4983

Protanopia

18.1549, 18.9519, 19.8408

Deuteranopia

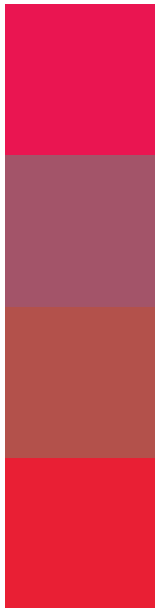
19.3007, 18.9194, 8.5958



Tritanopia

34.5692, 18.7681, 3.3907

Trichromacy



Original Color

35.6851, 18.6228, 9.4983

Protanomaly

20.8244, 15.1471, 15.1907

Deuteranomaly

22.8028, 15.9766, 8.5386

Tritanomaly

34.7141, 18.5515, 5.0000

Monochromacy



Original Color

35.6851, 18.6228, 9.4983

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

15.2113, 10.5303, 10.4633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6851, 18.6228, 9.4983 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(234, 21, 81)` looks like.

```
.text, #text, p{  
    color:rgb(234, 21, 81)  
}
```

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(234, 21, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 21, 81) }
```

Border

The CSS property to change the border of an element to XYZ 35.6851, 18.6228, 9.4983 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(234, 21, 81) }
```


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

```
.border{ border-color:rgb(234, 21, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 21, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 21, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 21, 81);  
box-shadow:4px 4px 4px 4px rgb(234, 21,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6851, 18.6228, 9.4983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 21, 81) }
```

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

```
.background{ background-color: rgb(234, 21,  
81) }
```

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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