

Converting Colors

XYZ(35.1563, 18.1584, 10.5890)

Have a look what the booklet for
XYZ(35.1563, 18.1584, 10.5890)
contains.

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Color

**XYZ(35.1560, 18.1580,
10.6687)**

Conversions

Conversions Part 1

Format	Color
Hex	E80E57
RGB	232, 14, 87
RGB Percent	91%, 5%, 34%
CMY	0.0902, 0.9449, 0.6588
CMYK	0.00, 0.94, 0.62, 0.09
HSL	340°, 89%, 48%
HSV	340°, 94%, 91%
XYZ	35.1560, 18.1580, 10.6687
YIQ	87.5040, 106.4950, 68.9190

Conversions

Conversions Part 2

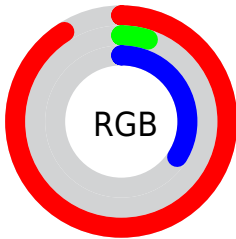
Format	Color
R_{YB}	232, 14, 87
Decimal	15208023
CIE _{Lab}	49.69, 75.78, 21.05
CIE _{LCh}	50, 78.649, 15.524
Yxy	18.1580, 0.5495, 0.2838
Android (android.graphics.Color)	4293398103 (0xFFE80E57)
YUV	87.5040, -0.2485, 126.7230
Hunter-Lab	42.6122, 72.6950, 14.9843

Details

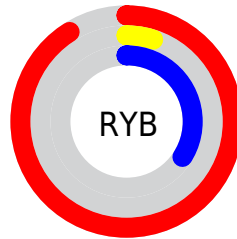
The XYZ color **35.1560, 18.1580, 10.6687** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **35.3002, 60.3113, 42.6022**, and the grayscale version is **9.1576, 9.6345, 10.4920**.

A 20% lighter version of the original color is **49.8668, 31.4033, 26.7257**, and **16.5845, 8.4992, 3.0519** is the 20% darker color. If you saturate the color by 10%, you get **34.6413, 17.7008, 8.7340**, and if you desaturate by 10%, it is **36.3676, 19.4621, 14.5234**.

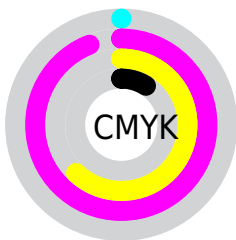
Distribution



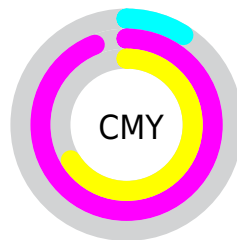
- Red (91%)
- Green (5%)
- Blue (34%)



- Red (91%)
- Yellow (5%)
- Blue (34%)



- Cyan (0%)
- Magenta (94%)
- Yellow (62%)
- Black (9%)





- Cyan (9%)
- Magenta (94%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1560, 18.1580, 10.6687 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 35.1560, 18.1580, 10.6687 by changing the saturation by 10% instead.

 35.1560, 18.1580,
10.6687


 35.1560, 18.1580,
10.6687

316.7523,
241.7601, 206.0355


 23.9501, 11.0635,
5.7332


 67.0598, 40.3064,
27.6731


 15.4212, 6.1096,
2.6174


 88.4885, 56.1290,
40.5791


 9.2037, 2.9118,
0.9014

 114.0554, 75.6298,
56.9789

 4.9325, 1.0859,
0.0000

 144.1260, 99.1932,
77.2912

 2.2421, 0.0000,
0.0000

 179.0657,
127.2035, 101.9345

 0.7648, 0.0000,
0.0000

 219.2397,

 0.0000, 0.0000,

160.0452, 131.3272

0.0000

265.0135,
198.1026, 165.8881

■ 35.1560, 18.1580,
10.6687

■ 35.1560, 18.1580,
10.6687

■ 34.6413, 17.7008,
8.7340

■ 36.3676, 19.4621,
14.5234

■ 38.1800, 21.7392,
19.2825

■ 40.6760, 25.1433,
25.0096

■ 43.9240, 29.8005,
31.7611

■ 47.9836, 35.8197,
39.5883

■ 52.9081, 43.2979,
48.5388

■ 58.7462, 52.3233,
58.6570

■ 65.5429, 62.9771,
69.9848

■ 73.3399, 75.3345,
82.5619

Harmonies

Analogous

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



35.2656, 18.1580, 31.9578



35.1560, 18.1580, 10.6687



29.4231, 18.1580, 2.5383

Triad

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



35.1560, 18.1580, 10.6687



8.8959, 18.1580, 2.6765



13.9074, 18.1580, 92.4806

Complementary

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



35.1560, 18.1580, 10.6687



35.3002, 60.3113, 42.6022

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.



9.0161, 18.1580, 66.1314



35.1560, 18.1580, 10.6687



6.7426, 18.1580, 11.1588

Square

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



35.1560, 18.1580, 10.6687



13.6883, 18.1580, 0.6913



6.7791, 18.1580, 32.9714



21.4013, 18.1580, 91.9359

Rectangle

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



35.1560, 18.1580, 10.6687



23.9294, 18.1580, 0.9850



6.7791, 18.1580, 32.9714



11.9594, 18.1580, 85.9456

Sweetspot

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



35.1564, 18.1591, 10.6690



69.6211, 59.9045, 67.2453



28.3784, 13.1811, 77.3919



14.2450, 11.8088, 13.2479



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.



35.1564, 18.1591, 10.6690



42.8938, 21.9215, 10.6389



34.3642, 19.1997, 2.3118



14.5750, 14.4472, 15.9623



19.2840, 9.8478, 5.1246



1.4670, 0.7445, 0.5996

Inverse Universe

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



35.1564, 18.1591, 10.6690



42.8938, 21.9215, 10.6389



35.2412, 46.9078, 83.5401



14.5750, 14.4472, 15.9623



19.2840, 9.8478, 5.1246



1.4670, 0.7445, 0.5996

Previews

White Background



This preview shows how the XYZ color 35.1560, 18.1580, 10.6687 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 35.1560, 18.1580, 10.6687 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 35.1560, 18.1580, 10.6687

Background



This preview shows how black text looks on a background with the XYZ color 35.1560, 18.1580, 10.6687.



This preview shows how white text looks on a background with the XYZ color 35.1560, 18.1580,

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

35.1560, 18.1580, 10.6687

Protanopia

18.0353, 18.6479, 22.7275

Deuteranopia

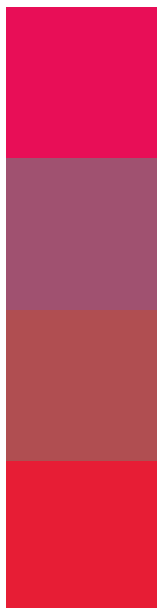
18.8585, 18.4997, 9.5980



Tritanopia

33.5834, 18.2616, 3.2682

Trichromacy



Original Color

35.1560, 18.1580, 10.6687

Protanomaly

20.3643, 14.5283, 17.0602

Deuteranomaly

22.1141, 15.2730, 9.5670

Tritanomaly

34.0370, 18.1247, 5.0726

Monochromacy



Original Color

35.1560, 18.1580, 10.6687

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

14.2454, 9.6175, 10.3381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1560, 18.1580, 10.6687 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(232, 14, 87)` looks like.

```
.text, #text, p{  
    color:rgb(232, 14, 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(232, 14, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 14, 87) }
```

Border

The CSS property to change the border of an element to XYZ 35.1560, 18.1580, 10.6687 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(232, 14, 87) }
```


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

```
.border{ border-color:rgb(232, 14, 87) }
```

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

Here you see how a box with a 4 pixel rgb(232, 14, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 14, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 14, 87);  
box-shadow:4px 4px 4px 4px rgb(232, 14,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1560, 18.1580, 10.6687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 14, 87) }
```

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

```
.background{ background-color: rgb(232, 14,  
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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