

Converting Colors

XYZ(36.3605, 40.6120, 46.3005)

Have a look what the booklet for
XYZ(36.3605, 40.6120, 46.3005)
contains.

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Color

**XYZ(36.3943, 40.6251,
46.4807)**

Conversions

Conversions Part 1

Format	Color
Hex	9AAFAF
RGB	154, 175, 175
RGB Percent	60%, 69%, 69%
CMY	0.3961, 0.3137, 0.3137
CMYK	0.12, 0.00, 0.00, 0.31
HSL	180°, 12%, 65%
HSV	180°, 12%, 69%
XYZ	36.3943, 40.6251, 46.4807
YIQ	168.7210, -12.5160, -4.4520

Conversions

Conversions Part 2

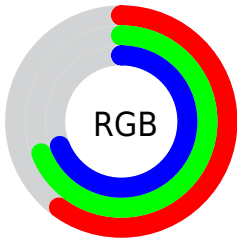
Format	Color
RYB	154, 165, 175
Decimal	10137519
CIELab	69.91, -7.23, -2.47
CIELCh	70, 7.642, 198.832
Yxy	40.6251, 0.2947, 0.3289
Android (android.graphics.Color)	4288327599 (0xFF9AAFAF)
YUV	168.7210, 3.0955, -12.9103
Hunter-Lab	63.7378, -9.6177, 1.3793

Details

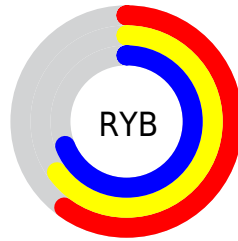
The XYZ color **36.3943, 40.6251, 46.4807** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.0690, 34.5595, 35.3960**, and the grayscale version is **37.5648, 39.5211, 43.0385**.

A 20% lighter version of the original color is **69.1533, 76.4203, 85.9687**, and **16.2516, 18.4795, 21.4492** is the 20% darker color. If you saturate the color by 10%, you get **33.3035, 39.0328, 46.3359**, and if you desaturate by 10%, it is **39.9731, 42.4711, 46.6501**.

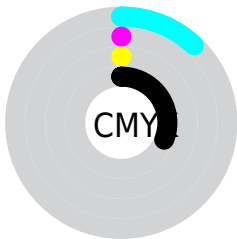
Distribution



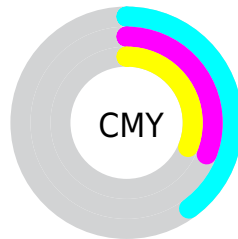
- Red (60%)
- Green (69%)
- Blue (69%)



- Red (60%)
- Yellow (65%)
- Blue (69%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)



- Cyan (40%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3943, 40.6251, 46.4807 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 36.3943, 40.6251, 46.4807 by changing the saturation by 10% instead.

■ 36.3943, 40.6251,
46.4807

■ 36.3943, 40.6251,
46.4807

322.0819,
348.7513, 389.0715

■ 24.9104, 28.0263,
32.2739

■ 68.9601, 76.1145,
86.2798

■ 16.1387, 18.3455,
21.3043

■ 90.7728, 99.7738,
112.7092

■ 9.7138, 11.1983,
13.1532

116.7590,
127.8887, 144.0499

■ 5.2704, 6.2004,
7.4021

147.2842,
160.8436, 180.7204

■ 2.4432, 2.9673,
3.6326

182.7138,
199.0229, 223.1392

■ 0.8667, 1.1147,
1.4260

223.4130,

■ 0.0000, 0.0000,

242.8111, 271.7250

0.1619

269.7473,
292.5924, 326.8962

■ 0.0000, 0.0000,
0.0000

■ 36.3943, 40.6251,
46.4807

■ 36.3943, 40.6251,
46.4807

■ 33.3035, 39.0328,
46.3359

■ 39.9731, 42.4711,
46.6501

■ 30.6762, 37.6784,
46.2119

■ 44.0560, 44.5759,
46.8422

■ 28.4912, 36.5520,
46.1086

■ 48.6628, 46.9507,
47.0588

■ 26.7241, 35.6411,
46.0248

■ 53.8110, 49.6047,
47.3008

■ 25.3483, 34.9319,
45.9594

■ 59.5175, 52.5465,
47.5689

■ 24.3341, 34.4091,
45.9109

■ 64.3099, 55.0171,
47.7943

■ 23.6475, 34.0551,
45.8777

■ 64.3101, 55.0171,
47.7953

■ 23.2482, 33.8493,
45.8580

■ 64.3103, 55.0172,
47.7964

■ 23.0669, 33.7559,
45.8486

■ 64.3105, 55.0173,
47.7974

Harmonies

Analogous

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



36.3149, 40.6251, 42.9210



36.3943, 40.6251, 46.4807



37.0606, 40.6251, 49.5902

Triad

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



36.3943, 40.6251, 46.4807



40.4406, 40.6251, 48.8953



39.0778, 40.6251, 37.8515

Complementary

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



36.3943, 40.6251, 46.4807



35.0690, 34.5595, 35.3960

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.



40.2080, 40.6251, 39.2777



36.3943, 40.6251, 46.4807



41.0060, 40.6251, 45.5732

Square

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



36.3943, 40.6251, 46.4807



39.3897, 40.6251, 51.0351



40.9200, 40.6251, 42.0606



37.8464, 40.6251, 38.0653

Rectangle

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



36.3943, 40.6251, 46.4807



37.7561, 40.6251, 50.9302



40.9200, 40.6251, 42.0606



39.4826, 40.6251, 38.1518

Sweetspot

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



36.3955, 40.6268, 46.4816



70.1887, 75.3398, 83.4788



34.5571, 39.8992, 36.4526



15.4906, 16.6886, 18.5489



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.3955, 40.6268, 46.4816



63.8646, 72.0796, 83.1809



34.4936, 36.8227, 45.8488



8.2363, 9.0721, 10.2695



16.5182, 24.1726, 32.8323



0.4595, 0.6725, 0.9134

Inverse Universe

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



35.0690, 34.5595, 35.3960



61.0884, 59.3807, 59.9789



36.8157, 38.0532, 35.9773



8.0053, 8.0154, 8.3388



12.6607, 6.5268, 0.5930



0.3522, 0.1816, 0.0166

Previews

White Background



This preview shows how the XYZ color 36.3943, 40.6251, 46.4807 looks on a white background.

Color Contrast Check

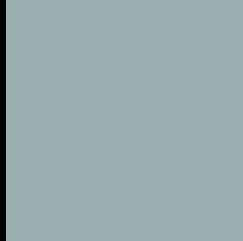
Large Text (above 18pt) WCAG AA × Fail

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 36.3943, 40.6251, 46.4807 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 ✓ Pass

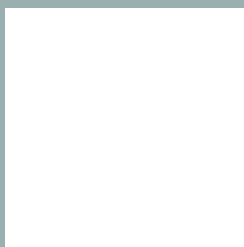
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3943, 40.6251, 46.4807

Background



This preview shows how black text looks on a background with the XYZ color 36.3943, 40.6251, 46.4807.



This preview shows how white text looks on a background with the XYZ color 36.3943, 40.6251,

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

36.3943, 40.6251, 46.4807

Protanopia

39.0547, 40.6122, 44.8103

Deuteranopia

41.1581, 40.2749, 47.1995



Tritanopia

37.6235, 40.5429, 52.8563

Trichromacy



Original Color

36.3943, 40.6251, 46.4807

Protanomaly

38.0212, 40.6292, 45.3734

Deuteranomaly

39.2580, 40.3948, 46.8021

Tritanomaly

37.2009, 40.6596, 50.6871

Monochromacy



Original Color

36.3943, 40.6251, 46.4807

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.2234, 39.9586, 44.2790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3943, 40.6251, 46.4807 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(154, 175, 175)` looks like.

```
.text, #text, p{  
    color:rgb(154, 175, 175)  
}
```

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(154, 175, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 175, 175) }
```

Border

The CSS property to change the border of an element to XYZ 36.3943, 40.6251, 46.4807 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(154, 175, 175) }
```


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

```
.border{ border-color:rgb(154, 175, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 175, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 175, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 175, 175);  
box-shadow:4px 4px 4px 4px rgb(154, 175,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3943, 40.6251, 46.4807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 175, 175) }
```

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

```
.background{ background-color: rgb(154,  
175, 175) }
```

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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