

Converting Colors

XYZ(10.4306, 17.7524, 6.3245)

Have a look what the booklet for
XYZ(10.4306, 17.7524, 6.3245)
contains.

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Color

**XYZ(10.4186, 17.7452,
6.3661)**

Conversions

Conversions Part 1

Format	Color
Hex	338536
RGB	51, 133, 54
RGB Percent	20%, 52%, 21%
CMY	0.8000, 0.4784, 0.7882
CMYK	0.62, 0.00, 0.59, 0.48
HSL	122°, 45%, 36%
HSV	122°, 62%, 52%
XYZ	10.4186, 17.7452, 6.3661
YIQ	99.4760, -23.5130, -41.9530

Conversions

Conversions Part 2

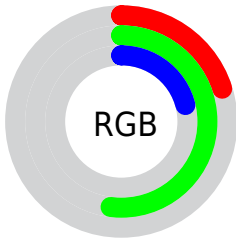
Format	Color
RYB	51, 130, 133
Decimal	3376438
CIELab	49.19, -41.68, 34.76
CIElCh	49, 54.276, 140.170
Yxy	17.7452, 0.3017, 0.5139
Android (android.graphics.Color)	4281566518 (0xFF338536)
YUV	99.4760, -22.4197, -42.5135
Hunter-Lab	42.1251, -29.5712, 20.5274

Details

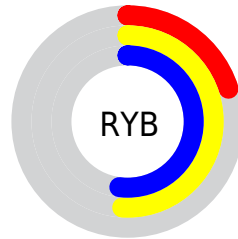
The XYZ color **10.4186, 17.7452, 6.3661** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.8864, 8.9661, 22.0651**, and the grayscale version is **12.0396, 12.6666, 13.7939**.

A 20% lighter version of the original color is **26.1624, 39.5841, 19.0936**, and **3.0337, 6.0412, 1.0923** is the 20% darker color. If you saturate the color by 10%, you get **9.5797, 17.3436, 4.9579**, and if you desaturate by 10%, it is **11.5294, 18.2789, 8.2018**.

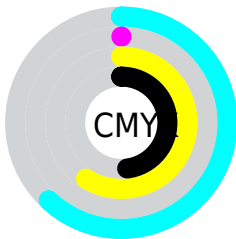
Distribution



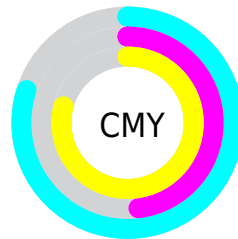
- Red (20%)
- Green (52%)
- Blue (21%)



- Red (20%)
- Yellow (51%)
- Blue (52%)



- Cyan (62%)
- Magenta (0%)
- Yellow (59%)
- Black (48%)



- Cyan (80%)
- Magenta (48%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4186, 17.7452, 6.3661 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 10.4186, 17.7452, 6.3661 by changing the saturation by 10% instead.

■ 10.4186, 17.7452,
6.3661

■ 10.4186, 17.7452,
6.3661

187.6260,
239.4309, 171.7133

■ 5.7418, 10.7672,
2.9966

■ 26.2225, 39.6027,
19.1768

■ 2.7279, 5.9105,
1.0929

■ 38.0803, 55.2509,
29.4551

■ 1.0115, 2.7907,
0.0000

■ 53.0624, 74.5581,
42.8733

■ 0.0000, 1.0235,
0.0000

■ 71.5343, 97.9085,
59.8501

■ 0.0000, 0.0000,
0.0000

■ 93.8612, 125.6866,
80.8039

■ 120.4086,

158.2768, 106.1534

151.5417,
196.0634, 136.3170

■ 10.4186, 17.7452,
6.3661

■ 10.4186, 17.7452,
6.3661

■ 9.5797, 17.3436,
4.9579

■ 11.5294, 18.2789,
8.2018

■ 8.9883, 17.0605,
3.9416

■ 12.9314, 18.9524,
10.4944

■ 8.6175, 16.8837,
3.2779

■ 14.6436, 19.7753,
13.2721

■ 8.4146, 16.7864,
2.9365

■ 16.6831, 20.7560,
16.5606

■ 19.0656, 21.9021,
20.3836

■ 21.8060, 23.2207,
24.7636

■ 24.9180, 24.7185,
29.7214

■ 28.4150, 26.4019,
35.2772

■ 32.3094, 28.2770,
41.4498

Harmonies

Analogous

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



13.7155, 17.7452, 3.1569



10.4186, 17.7452, 6.3661



8.9523, 17.7452, 14.9257

Triad

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



10.4186, 17.7452, 6.3661



15.2520, 17.7452, 62.1093



27.8052, 17.7452, 11.1874

Complementary

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



10.4186, 17.7452, 6.3661



14.8864, 8.9661, 22.0651

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.



28.4464, 17.7452, 24.5053



10.4186, 17.7452, 6.3661



20.4660, 17.7452, 59.3084

Square

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



10.4186, 17.7452, 6.3661



11.3485, 17.7452, 49.7765



25.5410, 17.7452, 43.3688



23.9333, 17.7452, 4.8114

Rectangle

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



10.4186, 17.7452, 6.3661



8.9589, 17.7452, 24.6977



25.5410, 17.7452, 43.3688



28.4321, 17.7452, 14.7883

Sweetspot

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



10.4190, 17.7459, 6.3665



31.1910, 37.8014, 31.7707



18.2327, 21.7819, 6.3753



6.7952, 8.4048, 6.7850



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.4190, 17.7459, 6.3665



16.6773, 30.8290, 8.0647



11.8066, 18.3010, 13.6735



4.6227, 5.2073, 5.0244



8.0154, 15.9890, 2.8005



0.0282, 0.0556, 0.0119

Inverse Universe

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



14.8864, 8.9661, 22.0651



25.3972, 13.6665, 38.6887



12.6715, 8.0802, 10.4020



4.8507, 4.7600, 5.8262



12.9337, 6.2378, 20.0210



0.0454, 0.0218, 0.0724

Previews

White Background



This preview shows how the XYZ color 10.4186, 17.7452, 6.3661 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 10.4186, 17.7452, 6.3661 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 10.4186, 17.7452, 6.3661

Background



This preview shows how black text looks on a background with the XYZ color 10.4186, 17.7452, 6.3661.



This preview shows how white text looks on a background with the XYZ color 10.4186, 17.7452,

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

10.4186, 17.7452, 6.3661

Protanopia

15.8530, 17.3797, 5.4248

Deuteranopia

17.8277, 17.5348, 6.7199



Tritanopia

14.3053, 17.7561, 25.5950

Trichromacy



Original Color

10.4186, 17.7452, 6.3661

Protanomaly

12.9239, 16.9248, 5.7176

Deuteranomaly

13.7910, 16.8141, 6.5216

Tritanomaly

12.4350, 17.5689, 16.3714

Monochromacy



Original Color

10.4186, 17.7452, 6.3661

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.7254, 13.7873, 10.2795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4186, 17.7452, 6.3661 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(51, 133, 54)` looks like.

```
.text, #text, p{  
    color:rgb(51, 133, 54)  
}
```

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(51, 133, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 133, 54) }
```

Border

The CSS property to change the border of an element to XYZ 10.4186, 17.7452, 6.3661 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(51, 133, 54) }
```


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

```
.border{ border-color:rgb(51, 133, 54) }
```

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

Here you see how a box with a 4 pixel rgb(51, 133, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 133, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 133, 54);  
box-shadow:4px 4px 4px 4px rgb(51, 133,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4186, 17.7452, 6.3661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 133, 54) }
```

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

```
.background{ background-color: rgb(51, 133,  
54) }
```

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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