

Converting Colors

XYZ(33.2177, 37.9739, 53.4274)

Have a look what the booklet for
XYZ(33.2177, 37.9739, 53.4274)
contains.

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Color

**XYZ(33.1897, 37.9612,
53.1549)**

Conversions

Conversions Part 1

Format	Color
Hex	83ACBC
RGB	131, 172, 188
RGB Percent	51%, 67%, 74%
CMY	0.4863, 0.3255, 0.2627
CMYK	0.30, 0.09, 0.00, 0.26
HSL	197°, 30%, 63%
HSV	197°, 30%, 74%
XYZ	33.1897, 37.9612, 53.1549
YIQ	161.5650, -29.5720, -3.7160

Conversions

Conversions Part 2

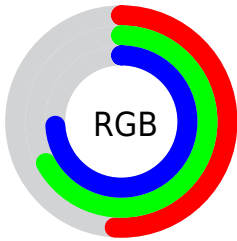
Format	Color
RYB	131, 155, 188
Decimal	8629436
CIELab	67.99, -9.94, -12.67
CIELCh	68, 16.101, 231.873
Yxy	37.9612, 0.2670, 0.3054
Android (android.graphics.Color)	4286819516 (0xFF83ACBC)
YUV	161.5650, 13.0325, -26.8055
Hunter-Lab	61.6127, -11.6672, -8.0222

Details

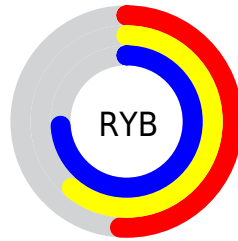
The XYZ color **33.1897, 37.9612, 53.1549** is a light color, and the websafe version is hex **669999**. A complement of this color would be **35.2700, 33.1978, 26.0225**, and the grayscale version is **34.0912, 35.8666, 39.0588**.

A 20% lighter version of the original color is **63.8058, 71.7841, 96.0807**, and **14.3141, 16.8445, 25.4185** is the 20% darker color. If you saturate the color by 10%, you get **29.5538, 34.6263, 52.7035**, and if you desaturate by 10%, it is **37.3961, 41.6512, 53.6461**.

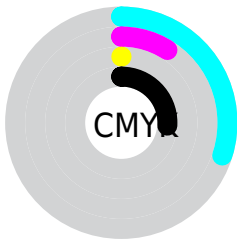
Distribution



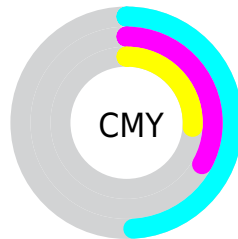
- Red (51%)
- Green (67%)
- Blue (74%)



- Red (51%)
- Yellow (61%)
- Blue (74%)



- Cyan (30%)
- Magenta (9%)
- Yellow (0%)
- Black (26%)



- Cyan (49%)
- Magenta (33%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1897, 37.9612, 53.1549 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 33.1897, 37.9612, 53.1549 by changing the saturation by 10% instead.

■ 33.1897, 37.9612,
53.1549

■ 33.1897, 37.9612,
53.1549

308.1536,
337.4535, 415.9623

■ 22.4317, 25.9526,
37.5379

■ 64.0243, 72.0487,
96.2761

■ 14.2929, 16.7882,
25.3252

■ 84.8316, 94.8963,
124.6174

■ 8.4077, 10.0836,
16.0983

■ 109.7194,
122.1257, 158.0371

■ 4.4109, 5.4544,
9.4386

139.0531,
154.1213, 196.9539

■ 1.9371, 2.5163,
4.9277

173.1980,
191.2675, 241.7863

■ 0.5983, 0.8848,
2.1469

212.5195,

■ 0.0000, 0.0000,

233.9487, 292.9528

0.6435

257.3829,
282.5492, 350.8719

■ 0.0000, 0.0000,
0.0000

■ 33.1897, 37.9612,
53.1549

■ 33.1897, 37.9612,
53.1549

■ 29.5538, 34.6263,
52.7035

■ 37.3961, 41.6512,
53.6461

■ 26.4559, 31.6264,
52.2877

■ 42.1965, 45.7064,
54.1758

■ 23.8655, 28.9460,
51.9069

■ 47.6171, 50.1418,
54.7462

■ 21.7471, 26.5660,
51.5591

■ 53.6815, 54.9703,
55.3586

■ 20.0607, 24.4651,
51.2425

■ 60.4121, 60.2040,
56.0141

■ 18.7588, 22.6182,
50.9546

■ 67.8301, 65.8545,
56.7137

■ 17.7740, 21.0245,
50.6989

■ 73.1029, 70.4622,
57.3252

■ 74.4186, 73.0936,
57.7638

■ 75.7775, 75.8115,
58.2168

Harmonies

Analogous

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



31.7954, 37.9612, 46.6854



33.1897, 37.9612, 53.1549



35.4047, 37.9612, 56.5390

Triad

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



33.1897, 37.9612, 53.1549



41.0595, 37.9612, 43.3130



34.3171, 37.9612, 29.8137

Complementary

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



33.1897, 37.9612, 53.1549



35.2700, 33.1978, 26.0225

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.



36.7658, 37.9612, 29.1320



33.1897, 37.9612, 53.1549



40.7353, 37.9612, 36.4067

Square

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



33.1897, 37.9612, 53.1549



40.0019, 37.9612, 50.4430



39.1355, 37.9612, 31.4088



32.4250, 37.9612, 33.3922

Rectangle

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



33.1897, 37.9612, 53.1549



37.0805, 37.9612, 56.3464



39.1355, 37.9612, 31.4088



35.0995, 37.9612, 29.2562

Sweetspot

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



33.1909, 37.9627, 53.1558



77.5652, 83.7401, 98.3015



32.5480, 42.8740, 33.8367



16.3883, 17.7659, 21.1080



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



33.1909, 37.9627, 53.1558



55.9019, 64.9361, 95.8138



28.4568, 28.4946, 51.5778



9.5761, 10.3445, 12.1642



12.1666, 14.4450, 34.5398



0.5292, 0.6711, 1.3705

Inverse Universe

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



36.3027, 29.9035, 42.8900



62.5149, 48.5504, 73.8317



40.1081, 42.8741, 27.6352



9.8126, 9.6494, 11.4024



17.1419, 8.4879, 16.5728



0.6980, 0.3431, 0.7891

Previews

White Background



This preview shows how the XYZ color 33.1897, 37.9612, 53.1549 looks on a white background.

Color Contrast Check

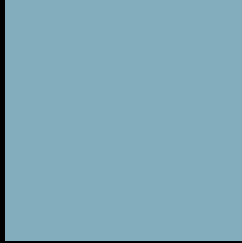
Large Text (above 18pt) WCAG AA × Fail

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 33.1897, 37.9612, 53.1549 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

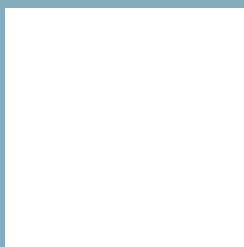
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1897, 37.9612, 53.1549

Background



This preview shows how black text looks on a background with the XYZ color 33.1897, 37.9612, 53.1549.



This preview shows how white text looks on a background with the XYZ color 33.1897, 37.9612,

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

33.1897, 37.9612, 53.1549

Protanopia

36.9270, 37.7563, 50.1412

Deuteranopia

38.4013, 37.6425, 53.9570



Tritanopia

32.9755, 37.8755, 52.0271

Trichromacy



Original Color

33.1897, 37.9612, 53.1549

Protanomaly

35.3382, 37.7195, 51.3170

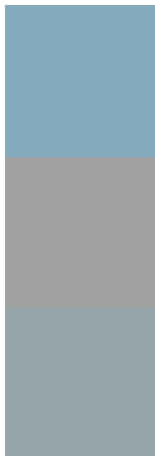
Deuteranomaly

36.1580, 37.5530, 53.4868

Tritanomaly

33.0822, 37.9182, 52.5890

Monochromacy



Original Color

33.1897, 37.9612, 53.1549

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.7494, 36.7920, 43.8509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1897, 37.9612, 53.1549 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(131, 172, 188)` looks like.

```
.text, #text, p{  
    color:rgb(131, 172, 188)  
}
```

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(131, 172, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 172, 188) }
```

Border

The CSS property to change the border of an element to XYZ 33.1897, 37.9612, 53.1549 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(131, 172, 188) }
```


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

```
.border{ border-color:rgb(131, 172, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 172, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 172, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 172, 188); box-shadow:4px 4px 4px 4px rgb(131, 172, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1897, 37.9612, 53.1549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 172, 188) }
```

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

```
.background{ background-color: rgb(131,  
172, 188) }
```

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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