

Converting Colors

XYZ(33.1275, 33.7947, 51.9417)

Have a look what the booklet for
XYZ(33.1275, 33.7947, 51.9417)
contains.

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Color

**XYZ(33.0708, 33.6607,
51.7679)**

Conversions

Conversions Part 1

Format	Color
Hex	949CBB
RGB	148, 156, 187
RGB Percent	58%, 61%, 73%
CMY	0.4196, 0.3882, 0.2667
CMYK	0.21, 0.17, 0.00, 0.27
HSL	228°, 22%, 66%
HSV	228°, 21%, 73%
XYZ	33.0708, 33.6607, 51.7679
YIQ	157.1420, -14.7190, 7.9450

Conversions

Conversions Part 2

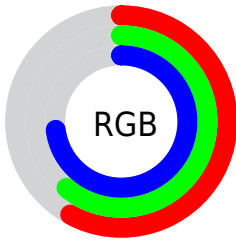
Format	Color
R_{YB}	148, 155, 187
Decimal	9739451
CIE _{Lab}	64.69, 3.86, -16.97
CIE _{LCh}	65, 17.407, 282.815
Yxy	33.6607, 0.2791, 0.2841
Android (android.graphics.Color)	4287929531 (0xFF949CBB)
YUV	157.1420, 14.7200, -8.0175
Hunter-Lab	58.0178, 0.2157, -12.2905

Details

The XYZ color **33.0708, 33.6607, 51.7679** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.9591, 44.9430, 34.4810**, and the grayscale version is **32.0531, 33.7224, 36.7237**.

A 20% lighter version of the original color is **63.5814, 65.1208, 94.0125**, and **14.2844, 14.3658, 24.5743** is the 20% darker color. If you saturate the color by 10%, you get **27.6145, 27.3698, 50.8418**, and if you desaturate by 10%, it is **39.3809, 40.8464, 52.8229**.

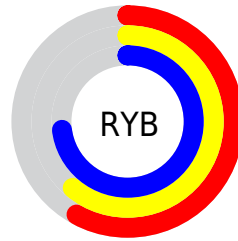
Distribution



Red (58%)

Green (61%)

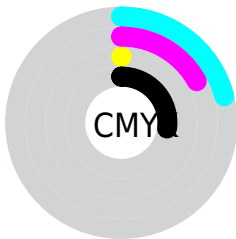
Blue (73%)



Red (58%)

Yellow (61%)

Blue (73%)

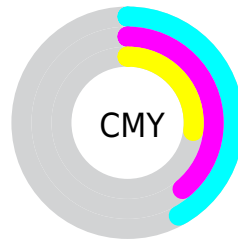


Cyan (21%)

Magenta (17%)

Yellow (0%)

Black (27%)



Cyan (42%)

Magenta (39%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0708, 33.6607, 51.7679 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 33.0708, 33.6607, 51.7679 by changing the saturation by 10% instead.

■ 33.0708, 33.6607,
51.7679

■ 33.0708, 33.6607,
51.7679

307.6280,
318.6165, 410.4713

■ 22.3402, 22.6331,
36.4391

■ 63.8400, 65.4057,
94.2119

■ 14.2251, 14.3228,
24.4812

■ 84.6093, 86.8918,
122.1643

■ 8.3601, 8.3455,
15.4754

109.4555,
112.6329, 155.1616

■ 4.3800, 4.3168,
9.0034

138.7440,
143.0133, 193.6224

■ 1.9193, 1.8523,
4.6466

172.8401,
178.4175, 237.9653

■ 0.5880, 0.5195,
1.9863

212.1093,

■ 0.0000, 0.0000,

219.2298, 288.6087

0.5469

256.9168,
265.8347, 345.9712

■ 0.0000, 0.0000,
0.0000

■ 33.0708, 33.6607,
51.7679

■ 33.0708, 33.6607,
51.7679

■ 27.6145, 27.3698,
50.8418

■ 39.3809, 40.8464,
52.8229

■ 22.9716, 21.9343,
50.0373

■ 46.5765, 48.9564,
54.0090

■ 19.1032, 17.3175,
49.3501

■ 54.6915, 58.0235,
55.3314

■ 15.9660, 13.4788,
48.7745

■ 63.7570, 68.0781,
56.7943

■ 13.5119, 10.3737,
48.3045

■ 73.8029, 79.1488,
58.4017

■ 11.6871, 7.9528,
47.9334

■ 82.9175, 90.2634,
60.0667

■ 10.4290, 6.1605,
47.6537

■ 85.9698, 96.3679,
61.0841

■ 9.6747, 4.9978,
47.4691

Harmonies

Analogous

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



30.5952, 33.6607, 51.4269



33.0708, 33.6607, 51.7679



35.3704, 33.6607, 47.6965

Triad

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



33.0708, 33.6607, 51.7679



35.6480, 33.6607, 28.0737



27.6204, 33.6607, 32.7347

Complementary

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



33.0708, 33.6607, 51.7679



41.9591, 44.9430, 34.4810

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.



28.8387, 33.6607, 27.4574



33.0708, 33.6607, 51.7679



33.4338, 33.6607, 25.0165

Square

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



33.0708, 33.6607, 51.7679



36.9096, 33.6607, 33.6833



30.9398, 33.6607, 24.8067



27.5345, 33.6607, 39.7876

Rectangle

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



33.0708, 33.6607, 51.7679



36.4594, 33.6607, 43.3018



30.9398, 33.6607, 24.8067



27.9080, 33.6607, 30.7183

Sweetspot

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



33.0718, 33.6621, 51.7687



76.4604, 79.8558, 95.5852



38.0749, 45.0737, 49.1035



16.6535, 17.3777, 21.0191



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.



33.0718, 33.6621, 51.7687



54.5994, 54.9671, 91.9334



33.8682, 32.1444, 51.4338



9.1709, 9.5340, 12.0291



6.7086, 3.5289, 32.7205



0.3102, 0.2331, 1.2975

Inverse Universe

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



37.0850, 34.1457, 36.0902



63.1182, 56.1497, 58.6172



41.0094, 46.9037, 34.9095



9.6081, 9.5675, 10.3252



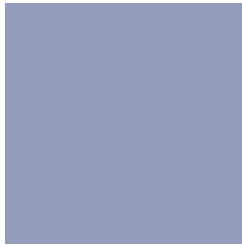
14.3870, 7.3859, 2.0653



0.5875, 0.2989, 0.2070

Previews

White Background



This preview shows how the XYZ color 33.0708, 33.6607, 51.7679 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 33.0708, 33.6607, 51.7679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

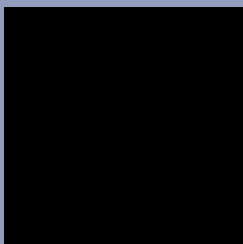
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

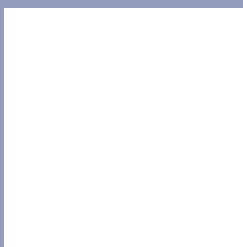
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0708, 33.6607, 51.7679

Background



This preview shows how black text looks on a background with the XYZ color 33.0708, 33.6607, 51.7679.



This preview shows how white text looks on a background with the XYZ color 33.0708, 33.6607,

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

33.0708, 33.6607, 51.7679

Protanopia

33.2687, 33.5146, 51.7292

Deuteranopia

34.3730, 33.5814, 52.2472



Tritanopia

31.4259, 33.7563, 43.3874

Trichromacy



Original Color

33.0708, 33.6607, 51.7679

Protanomaly

33.0854, 33.4201, 51.7206

Deuteranomaly

33.9591, 33.6121, 52.2749

Tritanomaly

32.0167, 33.7390, 46.4198

Monochromacy



Original Color

33.0708, 33.6607, 51.7679

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.4513, 33.8111, 41.8616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0708, 33.6607, 51.7679 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(148, 156, 187)` looks like.

```
.text, #text, p{  
    color:rgb(148, 156, 187)  
}
```

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(148, 156, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 156, 187) }
```

Border

The CSS property to change the border of an element to XYZ 33.0708, 33.6607, 51.7679 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(148, 156, 187) }
```


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

```
.border{ border-color:rgb(148, 156, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 156, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 156, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 156, 187);  
box-shadow:4px 4px 4px 4px rgb(148, 156,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0708, 33.6607, 51.7679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 156, 187) }
```

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

```
.background{ background-color: rgb(148,  
156, 187) }
```

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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