

Converting Colors

XYZ(33.6255, 33.1483, 52.5998)

Have a look what the booklet for
XYZ(33.6255, 33.1483, 52.5998)
contains.

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Color

**XYZ(33.7134, 33.2289,
52.7810)**

Conversions

Conversions Part 1

Format	Color
Hex	9999BD
RGB	153, 153, 189
RGB Percent	60%, 60%, 74%
CMY	0.4000, 0.4000, 0.2588
CMYK	0.19, 0.19, 0.00, 0.26
HSL	240°, 21%, 67%
HSV	240°, 19%, 74%
XYZ	33.7134, 33.2289, 52.7810
YIQ	157.1040, -11.5560, 11.1960

Conversions

Conversions Part 2

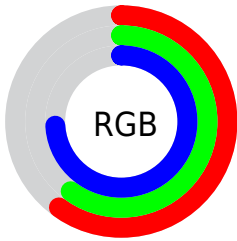
Format	Color
R_{YB}	153, 153, 189
Decimal	10066365
CIE Lab	64.35, 7.62, -18.58
CIE LCh	64, 20.083, 292.291
Yxy	33.2289, 0.2816, 0.2775
Android (android.graphics.Color)	4288256445 (0xFF9999BD)
YUV	157.1040, 15.7247, -3.5992
Hunter-Lab	57.6445, 3.5178, -13.9365

Details

The XYZ color **33.7134, 33.2289, 52.7810** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **44.9339, 49.5138, 37.3267**, and the grayscale version is **32.0306, 33.6987, 36.6979**.

A 20% lighter version of the original color is **64.8067, 64.6281, 95.4450**, and **14.5621, 14.0470, 25.2364** is the 20% darker color. If you saturate the color by 10%, you get **27.5727, 25.8299, 51.6770**, and if you desaturate by 10%, it is **40.9112, 41.9018, 54.0762**.

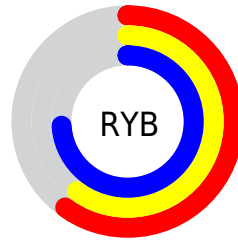
Distribution



Red (60%)

Green (60%)

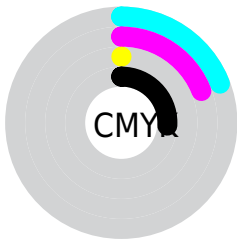
Blue (74%)



Red (60%)

Yellow (60%)

Blue (74%)

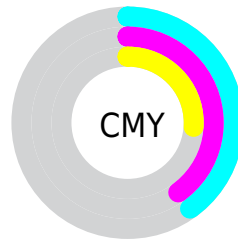


Cyan (19%)

Magenta (19%)

Yellow (0%)

Black (26%)



Cyan (40%)

Magenta (40%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7134, 33.2289, 52.7810 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 33.7134, 33.2289, 52.7810 by changing the saturation by 10% instead.

■ 33.7134, 33.2289,
52.7810

■ 33.7134, 33.2289,
52.7810

310.4607,
316.6799, 414.4868

■ 22.8354, 22.3019,
37.2414

■ 64.8350, 64.7327,
95.7203

■ 14.5920, 14.0789,
25.0972

■ 85.8092, 86.0783,
123.9572

■ 8.6180, 8.1755,
15.9298

110.8796,
111.6655, 157.2635

■ 4.5480, 4.2075,
9.3207

140.4115,
141.8788, 196.0579

■ 2.0166, 1.7903,
4.8513

174.7701,
177.1024, 240.7589

■ 0.6432, 0.4811,
2.1031

214.3210,

■ 0.0000, 0.0000,

217.7209, 291.7850

0.6176

259.4294,
264.1186, 349.5548

■ 0.0000, 0.0000,
0.0000

■ 33.7134, 33.2289,
52.7810

■ 33.7134, 33.2289,
52.7810

■ 27.5727, 25.8299,
51.6770

■ 40.9112, 41.9018,
54.0762

■ 22.4363, 19.6409,
50.7532

■ 49.2092, 51.9002,
55.5688

■ 18.2519, 14.5990,
50.0005

■ 58.6520, 63.2780,
57.2672

■ 14.9609, 10.6335,
49.4086

■ 69.2807, 76.0847,
59.1789

■ 12.4984, 7.6663,
48.9656

■ 81.1345, 90.3675,
61.3110

■ 10.7907, 5.6086,
48.6584

■ 86.1854, 96.4542,
62.2197

■ 9.7512, 4.3560,
48.4715

■ 9.2276, 3.7251,
48.3773

■ 9.1855, 3.6743,
48.3697

Harmonies

Analogous

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



30.8518, 33.2289, 54.1219



33.7134, 33.2289, 52.7810



36.1324, 33.2289, 46.6842

Triad

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



33.7134, 33.2289, 52.7810



35.0644, 33.2289, 25.1047



26.4451, 33.2289, 34.1106

Complementary

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



33.7134, 33.2289, 52.7810



44.9339, 49.5138, 37.3267

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.



27.4326, 33.2289, 27.3840



33.7134, 33.2289, 52.7810



32.3259, 33.2289, 22.7199

Square

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



33.7134, 33.2289, 52.7810



36.9447, 33.2289, 30.5340



29.5444, 33.2289, 23.4864



26.7671, 33.2289, 42.4837

Rectangle

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



33.7134, 33.2289, 52.7810



37.1117, 33.2289, 41.1814



29.5444, 33.2289, 23.4864



26.6327, 33.2289, 31.6020

Sweetspot

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



33.7144, 33.2303, 52.7817



77.4482, 80.0782, 97.6009



40.4554, 46.8162, 54.7081



16.4537, 16.9781, 20.9525



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.



33.7144, 33.2303, 52.7817



55.4022, 53.5146, 93.6355



37.2414, 35.0481, 52.9467



9.0166, 9.2255, 11.9777



6.1802, 2.4722, 32.5443



0.2421, 0.0969, 1.2748

Inverse Universe

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



38.1281, 35.9021, 35.0587



64.8067, 59.2076, 55.8717



40.8736, 47.4212, 37.1368



9.5302, 9.5364, 9.9151



14.1203, 7.2793, 0.6610



0.5531, 0.2851, 0.0259

Previews

White Background



This preview shows how the XYZ color 33.7134, 33.2289, 52.7810 looks on a white background.

Color Contrast Check

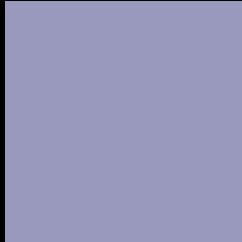
Large Text (above 18pt) WCAG AA × Fail

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 33.7134, 33.2289, 52.7810 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 33.7134, 33.2289, 52.7810

Background



This preview shows how black text looks on a background with the XYZ color 33.7134, 33.2289, 52.7810.



This preview shows how white text looks on a background with the XYZ color 33.7134, 33.2289,

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

33.7134, 33.2289, 52.7810

Protanopia

33.0626, 33.1248, 53.3663

Deuteranopia

34.0941, 33.4252, 52.7989



Tritanopia

31.6128, 33.3681, 42.3106

Trichromacy



Original Color

33.7134, 33.2289, 52.7810

Protanomaly

33.4275, 33.3129, 53.3834

Deuteranomaly

33.9030, 33.3266, 52.7899

Tritanomaly

32.3026, 33.3956, 45.8178

Monochromacy



Original Color

33.7134, 33.2289, 52.7810

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.7602, 33.7094, 42.3160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7134, 33.2289, 52.7810 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(153, 153, 189)` looks like.

```
.text, #text, p{  
    color:rgb(153, 153, 189)  
}
```

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(153, 153, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 153, 189) }
```

Border

The CSS property to change the border of an element to XYZ 33.7134, 33.2289, 52.7810 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(153, 153, 189) }
```


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

```
.border{ border-color:rgb(153, 153, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 153, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 153, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 153, 189);  
box-shadow:4px 4px 4px 4px rgb(153, 153,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7134, 33.2289, 52.7810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 153, 189) }
```

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

```
.background{ background-color: rgb(153,  
153, 189) }
```

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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