

Converting Colors

XYZ(29.8254, 33.8762, 50.0947)

Have a look what the booklet for
XYZ(29.8254, 33.8762, 50.0947)
contains.

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Color

**XYZ(29.7750, 33.7927,
50.3007)**

Conversions

Conversions Part 1

Format	Color
Hex	7AA3B8
RGB	122, 163, 184
RGB Percent	48%, 64%, 72%
CMY	0.5216, 0.3608, 0.2784
CMYK	0.34, 0.11, 0.00, 0.28
HSL	200°, 30%, 60%
HSV	200°, 34%, 72%
XYZ	29.7750, 33.7927, 50.3007
YIQ	153.1350, -31.1770, -2.1610

Conversions

Conversions Part 2

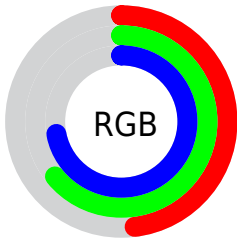
Format	Color
R_{YB}	122, 147, 184
Decimal	8037304
CIE _{Lab}	64.80, -8.69, -15.30
CIE _{LCh}	65, 17.596, 240.418
Yxy	33.7927, 0.2615, 0.2968
Android (android.graphics.Color)	4286227384 (0xFF7AA3B8)
YUV	153.1350, 15.2164, -27.3054
Hunter-Lab	58.1315, -10.3022, -10.6111

Details

The XYZ color **29.7750, 33.7927, 50.3007** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.1030, 31.2408, 22.6987**, and the grayscale version is **30.2835, 31.8606, 34.6962**.

A 20% lighter version of the original color is **58.7041, 65.6642, 92.0185**, and **12.3070, 14.3097, 23.5861** is the 20% darker color. If you saturate the color by 10%, you get **26.3331, 30.4167, 49.8311**, and if you desaturate by 10%, it is **33.7668, 37.5347, 50.8132**.

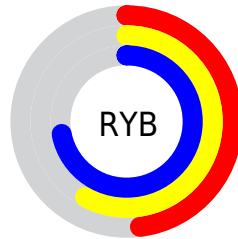
Distribution



Red (48%)

Green (64%)

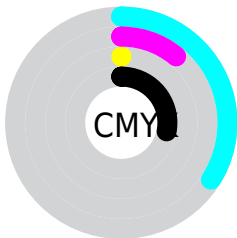
Blue (72%)



Red (48%)

Yellow (58%)

Blue (72%)

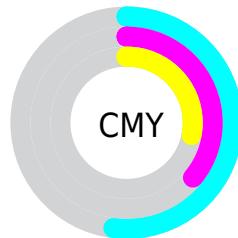


Cyan (34%)

Magenta (11%)

Yellow (0%)

Black (28%)



Cyan (52%)

Magenta (36%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7750, 33.7927, 50.3007 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 29.7750, 33.7927, 50.3007 by changing the saturation by 10% instead.

■ 29.7750, 33.7927,
50.3007

■ 29.7750, 33.7927,
50.3007

292.7829,
319.2067, 404.6094

■ 19.8151, 22.7344,
35.2795

■ 58.6952, 65.6112,
92.0211

■ 12.3682, 14.3975,
23.5930

■ 78.3863, 87.1401,
119.5575

■ 7.0689, 8.3977,
14.8226

■ 102.0518,
112.9281, 152.1026

■ 3.5520, 4.3504,
8.5497

130.0570,
143.3594, 190.0751

■ 1.4519, 1.8715,
4.3559

162.7674,
178.8186, 233.8935

■ 0.2928, 0.5311,
1.8225

200.5483,

■ 0.0000, 0.0000,

219.6899, 283.9763

0.4428

243.7650,
266.3578, 340.7421

■ 0.0000, 0.0000,
0.0000

■ 29.7750, 33.7927,
50.3007

■ 29.7750, 33.7927,
50.3007

■ 26.3331, 30.4167,
49.8311

■ 33.7668, 37.5347,
50.8132

■ 23.4092, 27.3868,
49.4003

■ 38.3319, 41.6535,
51.3676

■ 20.9730, 24.6869,
49.0076

■ 43.4959, 46.1643,
51.9661

■ 18.9892, 22.2977,
48.6510

■ 49.2821, 51.0801,
52.6100

■ 17.4174, 20.1970,
48.3284

■ 55.7123, 56.4133,
53.3004

■ 16.2093, 18.3587,
48.0372

■ 62.8074, 62.1756,
54.0387

■ 15.5724, 17.3020,
47.8668

■ 70.5871, 68.3782,
54.8259

■ 73.6504, 72.2378,
55.4094

■ 75.2468, 75.4306,
55.9416

Harmonies

Analogous

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



28.1009, 33.7927, 44.3150



29.7750, 33.7927, 50.3007



32.1545, 33.7927, 52.5723

Triad

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



29.7750, 33.7927, 50.3007



37.2374, 33.7927, 36.6928



29.7165, 33.7927, 26.0329

Complementary

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



29.7750, 33.7927, 50.3007



33.1030, 31.2408, 22.6987

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.



32.0834, 33.7927, 24.5389



29.7750, 33.7927, 50.3007



36.5029, 33.7927, 30.1770

Square

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



29.7750, 33.7927, 50.3007



36.5416, 33.7927, 44.1158



34.5828, 33.7927, 25.9522



28.0684, 33.7927, 30.3316

Rectangle

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



29.7750, 33.7927, 50.3007



33.8475, 33.7927, 51.4693



34.5828, 33.7927, 25.9522



30.4503, 33.7927, 25.2134

Sweetspot

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



29.7760, 33.7940, 50.3015



72.6618, 78.3093, 93.4901



30.1000, 40.3923, 32.0654



15.3902, 16.6408, 20.1224



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.7760, 33.7940, 50.3015



49.5216, 56.9222, 90.5816



24.9752, 24.1923, 48.7012



9.0036, 9.6844, 11.4742



10.7998, 12.0592, 33.0115



0.4355, 0.5347, 1.1820

Inverse Universe

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



33.3384, 26.7547, 38.0589



57.0697, 42.8809, 64.4459



38.3524, 41.7397, 24.4485



9.2482, 9.1096, 10.6542



16.0649, 7.9997, 13.4945



0.5940, 0.2931, 0.6214

Previews

White Background



This preview shows how the XYZ color 29.7750, 33.7927, 50.3007 looks on a white background.

Color Contrast Check

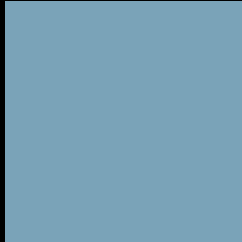
Large Text (above 18pt) WCAG AA × Fail

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 29.7750, 33.7927, 50.3007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

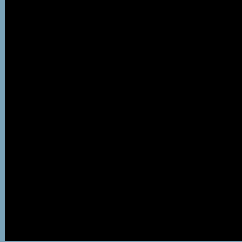
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7750, 33.7927, 50.3007

Background



This preview shows how black text looks on a background with the XYZ color 29.7750, 33.7927, 50.3007.



This preview shows how white text looks on a background with the XYZ color 29.7750, 33.7927,

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

29.7750, 33.7927, 50.3007

Protanopia

32.9949, 33.4697, 47.3691

Deuteranopia

34.3547, 33.5967, 51.1285



Tritanopia

28.9570, 33.7183, 46.5771

Trichromacy



Original Color

29.7750, 33.7927, 50.3007

Protanomaly

31.7227, 33.5407, 48.5181

Deuteranomaly

32.4910, 33.6365, 50.6790

Tritanomaly

29.3988, 33.9112, 48.1760

Monochromacy



Original Color

29.7750, 33.7927, 50.3007

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.9131, 32.5451, 39.8272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7750, 33.7927, 50.3007 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(122, 163, 184)` looks like.

```
.text, #text, p{  
    color:rgb(122, 163, 184)  
}
```

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(122, 163, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 163, 184) }
```

Border

The CSS property to change the border of an element to XYZ 29.7750, 33.7927, 50.3007 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(122, 163, 184) }
```


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

```
.border{ border-color:rgb(122, 163, 184) }
```

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

Here you see how a box with a 4 pixel rgb(122, 163, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 163, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 163, 184);  
box-shadow:4px 4px 4px 4px rgb(122, 163,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7750, 33.7927, 50.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 163, 184) }
```

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

```
.background{ background-color: rgb(122,  
163, 184) }
```

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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