

Converting Colors

XYZ(30.7722, 36.2032, 50.7135)

Have a look what the booklet for
XYZ(30.7722, 36.2032, 50.7135)
contains.

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Color

**XYZ(30.7722, 36.2032,
50.7135)**

Conversions

Conversions Part 1

Format	Color
Hex	78AAB8
RGB	120, 170, 184
RGB Percent	47%, 67%, 72%
CMY	0.5294, 0.3333, 0.2784
CMYK	0.35, 0.08, 0.00, 0.28
HSL	193°, 31%, 60%
HSV	193°, 35%, 72%
XYZ	30.7722, 36.2032, 50.7135
YIQ	156.6460, -34.2940, -6.2460

Conversions

Conversions Part 2

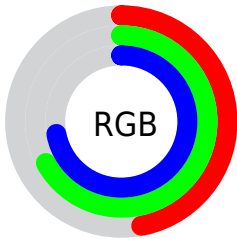
Format	Color
R_{YB}	120, 148, 184
Decimal	7908024
CIE _{Lab}	66.67, -13.03, -12.49
CIE _{LCh}	67, 18.047, 223.786
Yxy	36.2032, 0.2615, 0.3076
Android (android.graphics.Color)	4286098104 (0xFF78AAB8)
YUV	156.6460, 13.4855, -32.1385
Hunter-Lab	60.1691, -14.0059, -7.8542

Details

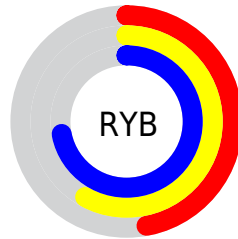
The XYZ color **30.7722, 36.2032, 50.7135** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.6831, 28.5971, 21.6202**, and the grayscale version is **31.8422, 33.5005, 36.4820**.

A 20% lighter version of the original color is **60.1089, 69.1404, 92.6154**, and **12.9591, 15.8245, 23.8441** is the 20% darker color. If you saturate the color by 10%, you get **27.7187, 33.5270, 50.3585**, and if you desaturate by 10%, it is **34.3413, 39.1813, 51.1008**.

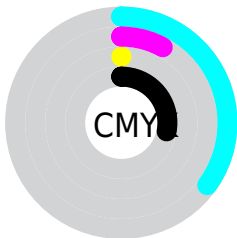
Distribution



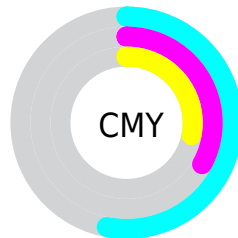
- Red (47%)
- Green (67%)
- Blue (72%)



- Red (47%)
- Yellow (58%)
- Blue (72%)



- Cyan (35%)
- Magenta (8%)
- Yellow (0%)
- Black (28%)



- Cyan (53%)
- Magenta (33%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7722, 36.2032, 50.7135 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 30.7722, 36.2032, 50.7135 by changing the saturation by 10% instead.

■ 30.7722, 36.2032,
50.7135

■ 30.7722, 36.2032,
50.7135

297.3331,
329.8478, 406.2644

■ 20.5764, 24.5912,
35.6055

■ 60.2595, 69.3456,
92.6383

■ 12.9254, 15.7727,
23.8424

■ 80.2818, 91.6447,
120.2922

■ 7.4539, 9.3635,
15.0056

■ 104.3103,
118.2750, 152.9651

■ 3.7964, 4.9790,
8.6767

132.7103,
149.6209, 191.0756

■ 1.5876, 2.2350,
4.4370

165.8472,
186.0667, 235.0423

■ 0.3843, 0.7390,
1.8680

204.0865,

■ 0.0000, 0.0000,

227.9969, 285.2836

0.4723

247.7933,
275.7958, 342.2181

■ 0.0000, 0.0000,
0.0000

■ 30.7722, 36.2032,
50.7135

■ 30.7722, 36.2032,
50.7135

■ 27.7187, 33.5270,
50.3585

■ 34.3413, 39.1813,
51.1008

■ 25.1493, 31.1334,
50.0319

■ 38.4489, 42.4707,
51.5193

■ 23.0336, 29.0074,
49.7331

■ 43.1204, 46.0857,
51.9708

■ 21.3367, 27.1307,
49.4603

■ 48.3786, 50.0383,
52.4566

■ 20.0180, 25.4821,
49.2115

■ 54.2451, 54.3399,
52.9777

■ 19.0287, 24.0359,
48.9846

■ 60.7401, 59.0013,
53.5351

■ 18.5881, 23.3332,
48.8721

■ 67.8831, 64.0328,
54.1298

■ 71.0593, 67.0557,
54.5459

■ 72.0173, 68.9715,
54.8652

Harmonies

Analogous

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



29.5784, 36.2032, 43.0956



30.7722, 36.2032, 50.7135



32.9708, 36.2032, 55.6144

Triad

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



30.7722, 36.2032, 50.7135



39.6780, 36.2032, 43.7493



33.1793, 36.2032, 26.5929

Complementary

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



30.7722, 36.2032, 50.7135



31.6831, 28.5971, 21.6202

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.



35.8906, 36.2032, 26.7194



30.7722, 36.2032, 50.7135



39.7411, 36.2032, 35.9579

Square

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



30.7722, 36.2032, 50.7135



38.1558, 36.2032, 51.2461



38.3239, 36.2032, 29.9400



30.9178, 36.2032, 29.5681

Rectangle

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



30.7722, 36.2032, 50.7135



34.7564, 36.2032, 56.3255



38.3239, 36.2032, 29.9400



34.0660, 36.2032, 26.2874

Sweetspot

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



30.7733, 36.2046, 50.7143



73.4760, 79.9376, 93.7615



29.1808, 39.9924, 28.6878



15.5888, 17.0379, 20.1886



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.



30.7733, 36.2046, 50.7143



51.3239, 61.7416, 91.4169



25.5060, 25.6700, 48.9586



9.0955, 9.8683, 11.5048



12.8643, 16.1883, 33.6997



0.4955, 0.6546, 1.2020

Inverse Universe

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



33.7403, 26.5266, 41.3736



57.6828, 41.9908, 71.1750



36.7701, 38.7712, 23.3159



9.2946, 9.1282, 10.8986



17.1070, 8.4165, 18.9820



0.6243, 0.3052, 0.7808

Previews

White Background



This preview shows how the XYZ color 30.7722, 36.2032, 50.7135 looks on a white background.

Color Contrast Check

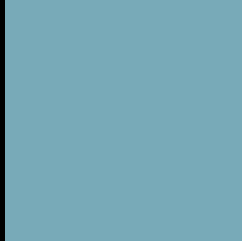
Large Text (above 18pt) WCAG AA × Fail

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 30.7722, 36.2032, 50.7135 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

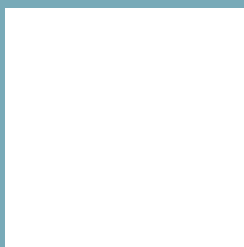
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7722, 36.2032, 50.7135

Background



This preview shows how black text looks on a background with the XYZ color 30.7722, 36.2032, 50.7135.



This preview shows how white text looks on a background with the XYZ color 30.7722, 36.2032,

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

30.7722, 36.2032, 50.7135

Protanopia

35.1039, 35.8295, 47.1851

Deuteranopia

36.7136, 36.0409, 52.0353



Tritanopia

30.7722, 36.2032, 50.7135

Trichromacy



Original Color

30.7722, 36.2032, 50.7135

Protanomaly

33.1907, 35.8659, 48.3535

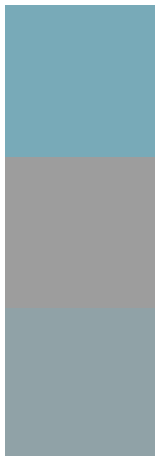
Deuteranomaly

34.1777, 35.7754, 51.5584

Tritanomaly

30.7722, 36.2032, 50.7135

Monochromacy



Original Color

30.7722, 36.2032, 50.7135

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.3970, 34.5600, 41.5752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7722, 36.2032, 50.7135 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(120, 170, 184)` looks like.

```
.text, #text, p{  
    color:rgb(120, 170, 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(120, 170, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 170, 184) }
```

Border

The CSS property to change the border of an element to XYZ 30.7722, 36.2032, 50.7135 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(120, 170, 184) }
```


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

```
.border{ border-color:rgb(120, 170, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 170, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 170, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 170, 184);  
box-shadow:4px 4px 4px 4px rgb(120, 170,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7722, 36.2032, 50.7135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 170, 184) }
```

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

```
.background{ background-color: rgb(120,  
170, 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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