

Converting Colors

XYZ(32.8221, 48.3104, 37.7319)

Have a look what the booklet for
XYZ(32.8221, 48.3104, 37.7319)
contains.

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Color

**XYZ(32.8221, 48.3104,
37.7319)**

Conversions

Conversions Part 1

Format	Color
Hex	66CC99
RGB	102, 204, 153
RGB Percent	40%, 80%, 60%
CMY	0.6000, 0.2000, 0.4000
CMYK	0.50, 0.00, 0.25, 0.20
HSL	150°, 50%, 60%
HSV	150°, 50%, 80%
XYZ	32.8221, 48.3104, 37.7319
YIQ	167.6880, -44.4210, -37.4850

Conversions

Conversions Part 2

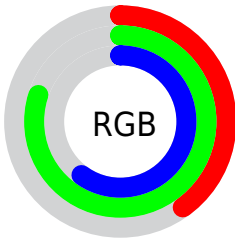
Format	Color
RYB	102, 170, 204
Decimal	6737049
CIELab	75.02, -41.54, 16.45
CIELCh	75, 44.679, 158.394
Yxy	48.3104, 0.2761, 0.4064
Android (android.graphics.Color)	4284927129 (0xFF66CC99)
YUV	167.6880, -7.2412, -57.6084
Hunter-Lab	69.5057, -37.3434, 16.4678

Details

The XYZ color **32.8221, 48.3104, 37.7319** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.4045, 24.6411, 33.0289**, and the grayscale version is **37.1175, 39.0505, 42.5260**.

A 20% lighter version of the original color is **61.3206, 83.3959, 71.8966**, and **14.1006, 22.9464, 16.2563** is the 20% darker color. If you saturate the color by 10%, you get **29.9818, 46.9407, 33.3880**, and if you desaturate by 10%, it is **36.3059, 50.0061, 42.4840**.

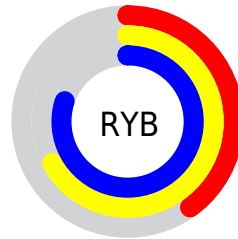
Distribution



Red (40%)

Green (80%)

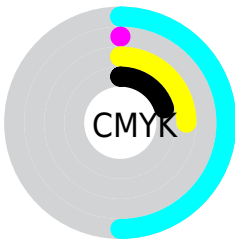
Blue (60%)



Red (40%)

Yellow (67%)

Blue (80%)

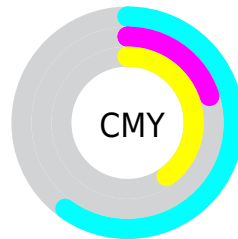


Cyan (50%)

Magenta (0%)

Yellow (25%)

Black (20%)



Cyan (60%)


Magenta (20%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8221, 48.3104, 37.7319 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 32.8221, 48.3104, 37.7319 by changing the saturation by 10% instead.


 32.8221, 48.3104,
37.7319


 32.8221, 48.3104,
37.7319


306.5265,
380.0212, 351.7321


 22.1488, 34.0728,
25.4745


 63.4542, 87.6664,
72.8959

 14.0835, 22.9495,
16.2087


 84.1437, 113.5535,
96.6395

 8.2608, 14.5562,
9.5160

 108.9027,
144.0926, 125.0489

 4.3155, 8.5085,
4.9779

 138.0964,
179.6680, 158.5427

 1.8821, 4.4220,
2.1758

172.0903,
220.6642, 197.5394

 0.5664, 1.9123,
0.6603

211.2498,

 0.0000, 0.5558,

267.4655, 242.4575

0.0000

255.9400,
320.4564, 293.7156

■ 0.0000, 0.0000,
0.0000

■ 32.8221, 48.3104,
37.7319

■ 32.8221, 48.3104,
37.7319

■ 29.9818, 46.9407,
33.3880

■ 36.3059, 50.0061,
42.4840

■ 27.7367, 45.8684,
29.4376

■ 40.4692, 52.0423,
47.6519

■ 26.0380, 45.0699,
25.8698


■ 45.3498, 54.4396,
53.2472


■ 24.8262, 44.5148,
22.6714


■ 50.9816, 57.2152,
59.2799


■ 23.9920, 44.1468,
19.8270


■ 57.3962, 60.3852,
65.7596

 23.9920, 44.1468,
19.8269

 64.6234, 63.9650,
72.6956

 72.6914, 67.9687,
80.0971

 77.7721, 70.4228,
87.7924

 79.2855, 71.0282,
95.7616

Harmonies

Analogous

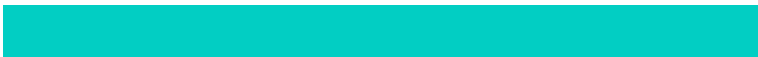
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.8475, 48.3104, 24.6620



32.8221, 48.3104, 37.7319



32.0809, 48.3104, 59.4365

Triad

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



32.8221, 48.3104, 37.7319



48.2458, 48.3104, 110.7425



59.3430, 48.3104, 29.3418

Complementary

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



32.8221, 48.3104, 37.7319



35.4045, 24.6411, 33.0289

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.



63.2512, 48.3104, 46.3123



32.8221, 48.3104, 37.7319



56.3659, 48.3104, 96.2565

Square

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



32.8221, 48.3104, 37.7319



40.3799, 48.3104, 106.4053



62.1017, 48.3104, 70.9405



51.9398, 48.3104, 20.9119

Rectangle

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



32.8221, 48.3104, 37.7319



33.4536, 48.3104, 76.9892



62.1017, 48.3104, 70.9405



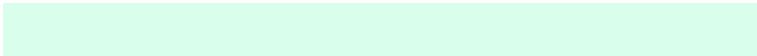
61.1466, 48.3104, 33.9992

Sweetspot

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



32.8234, 48.3124, 37.7330



79.4231, 92.2823, 92.8876



37.4527, 51.0860, 20.4576



16.5809, 19.5458, 19.4294



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.8234, 48.3124, 37.7330



49.3255, 77.5792, 54.7568



37.7701, 50.2911, 63.7823



11.2981, 12.6290, 13.1270



15.1473, 27.8042, 12.7264



0.8197, 1.4497, 0.8583

Inverse Universe

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



35.4045, 24.6411, 33.0289



54.0777, 33.9973, 46.0960



32.1380, 23.3345, 15.8277



11.4423, 11.3057, 12.8640



17.2301, 8.7026, 8.9304



0.9272, 0.4643, 0.6625

Previews

White Background



This preview shows how the XYZ color 32.8221, 48.3104, 37.7319 looks on a white background.

Color Contrast Check

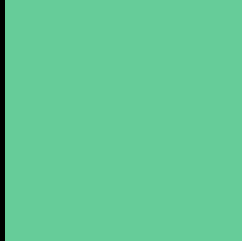
Large Text (above 18pt) WCAG AA × Fail

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 32.8221, 48.3104, 37.7319 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 32.8221, 48.3104, 37.7319

Background



This preview shows how black text looks on a background with the XYZ color 32.8221, 48.3104, 37.7319.

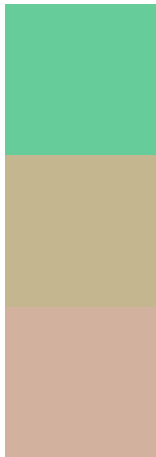


This preview shows how white text looks on a background with the XYZ color 32.8221, 48.3104,

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

32.8221, 48.3104, 37.7319

Protanopia

44.6564, 47.5859, 32.8180

Deuteranopia

48.5585, 47.6491, 39.4388



Tritanopia

39.0948, 48.0849, 69.5081

Trichromacy



Original Color

32.8221, 48.3104, 37.7319



Protanomaly

38.7976, 47.0496, 34.6404



Deuteranomaly

40.6507, 46.6329, 38.7568



Tritanomaly

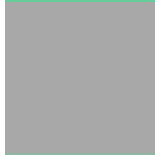
36.5095, 48.0532, 56.6412

Monochromacy



Original Color

32.8221, 48.3104, 37.7319



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.6363, 41.6214, 40.8585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8221, 48.3104, 37.7319 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(102, 204, 153)` looks like.

```
.text, #text, p{  
    color:rgb(102, 204, 153)  
}
```

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(102, 204, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 204, 153) }
```

Border

The CSS property to change the border of an element to XYZ 32.8221, 48.3104, 37.7319 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(102, 204, 153) }
```


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

```
.border{ border-color:rgb(102, 204, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 204, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 204, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 204, 153);  
box-shadow:4px 4px 4px 4px rgb(102, 204,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8221, 48.3104, 37.7319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 204, 153) }
```

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

```
.background{ background-color: rgb(102,  
204, 153) }
```

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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