

Converting Colors

XYZ(32.1511, 42.2144, 59.8274)

Have a look what the booklet for
XYZ(32.1511, 42.2144, 59.8274)
contains.

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Color

**XYZ(32.1067, 42.0699,
59.8542)**

Conversions

Conversions Part 1

Format	Color
Hex	57BCC6
RGB	87, 188, 198
RGB Percent	34%, 74%, 78%
CMY	0.6588, 0.2627, 0.2235
CMYK	0.56, 0.05, 0.00, 0.22
HSL	185°, 49%, 56%
HSV	185°, 56%, 78%
XYZ	32.1067, 42.0699, 59.8542
YIQ	158.9410, -63.4060, -18.3020

Conversions

Conversions Part 2

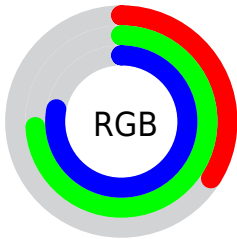
Format	Color
RYB	87, 140, 198
Decimal	5749958
CIELab	70.92, -26.43, -13.98
CIELCh	71, 29.897, 207.868
Yxy	42.0699, 0.2395, 0.3139
Android (android.graphics.Color)	4283940038 (0xFF57BCC6)
YUV	158.9410, 19.2561, -63.0923
Hunter-Lab	64.8613, -25.1488, -9.3101

Details

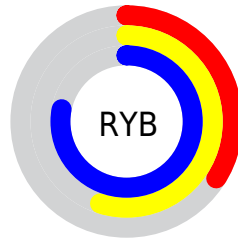
The XYZ color **32.1067, 42.0699, 59.8542** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **29.2845, 21.2441, 11.5749**, and the grayscale version is **32.8644, 34.5759, 37.6532**.

A 20% lighter version of the original color is **62.2547, 78.0324, 106.3883**, and **13.6092, 19.0896, 29.3529** is the 20% darker color. If you saturate the color by 10%, you get **30.1272, 40.4882, 59.6540**, and if you desaturate by 10%, it is **34.6004, 43.9255, 60.0817**.

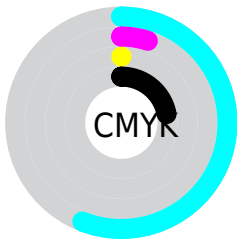
Distribution



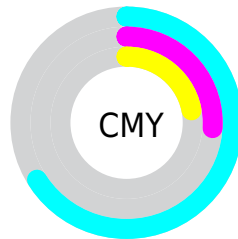
- Red (34%)
- Green (74%)
- Blue (78%)



- Red (34%)
- Yellow (55%)
- Blue (78%)



- Cyan (56%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)



- Cyan (66%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1067, 42.0699, 59.8542 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 32.1067, 42.0699, 59.8542 by changing the saturation by 10% instead.

■ 32.1067, 42.0699,
59.8542

■ 32.1067, 42.0699,
59.8542

303.3417,
354.7726, 441.8499

■ 21.5990, 29.1560,
42.8766

■ 62.3424, 78.3054,
106.1594

■ 13.6775, 19.1989,
29.4576

■ 82.8010, 102.3958,
136.3242

■ 7.9769, 11.8141,
19.1787

■ 107.3074,
130.9806, 171.7217

■ 4.1318, 6.6172,
11.6214

■ 136.2267,
164.4440, 212.7705

■ 1.7770, 3.2239,
6.3670

169.9245,
203.1705, 259.8892

■ 0.5037, 1.2497,
2.9971

208.7660,

■ 0.0000, 0.1017,

247.5445, 313.4963

1.0932

253.1166,
297.9504, 374.0103

■ 0.0000, 0.0000,
0.0000

■ 32.1067, 42.0699,
59.8542

■ 32.1067, 42.0699,
59.8542

■ 30.1272, 40.4882,
59.6540

■ 34.6004, 43.9255,
60.0817

■ 28.6154, 39.1537,
59.4761

■ 37.6423, 46.0698,
60.3353

■ 27.5232, 38.0424,
59.3192

■ 41.2676, 48.5220,
60.6175

■ 26.7881, 37.1221,
59.1803

■ 45.5080, 51.2982,
60.9299

■ 26.5480, 36.7869,
59.1282

■ 50.3925, 54.4136,
61.2738

■ 55.9483, 57.8822,
61.6504

■ 62.2011, 61.7172,
62.0611

■ 69.1754, 65.9313,
62.5069

■ 73.0391, 68.5491,
62.8086

Harmonies

Analogous

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



31.1627, 42.0699, 44.7948



32.1067, 42.0699, 59.8542



35.1079, 42.0699, 73.1660

Triad

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



32.1067, 42.0699, 59.8542



48.6527, 42.0699, 61.9901



40.3433, 42.0699, 23.5095

Complementary

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



32.1067, 42.0699, 59.8542



29.2845, 21.2441, 11.5749

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.



45.2967, 42.0699, 26.2922



32.1067, 42.0699, 59.8542



50.3353, 42.0699, 46.8343

Square

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



32.1067, 42.0699, 59.8542



44.6298, 42.0699, 74.5682



49.0596, 42.0699, 34.1498



35.6764, 42.0699, 25.5942

Rectangle

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



32.1067, 42.0699, 59.8542



38.0080, 42.0699, 78.1776



49.0596, 42.0699, 34.1498



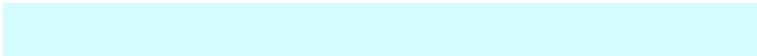
42.0319, 42.0699, 23.8918

Sweetspot

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



32.1080, 42.0715, 59.8552



79.6275, 90.2189, 107.8249



26.2484, 43.2644, 18.0953



16.7023, 19.0889, 23.0542



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.



32.1080, 42.0715, 59.8552



52.7651, 71.2028, 105.5702



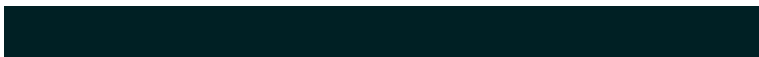
22.5464, 22.9482, 56.6680



10.8619, 11.8978, 13.6415



17.2972, 23.9884, 38.4629



0.8435, 1.1849, 1.8294

Inverse Universe

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



35.7751, 22.4541, 50.0272



60.0923, 33.8921, 85.5096



36.1977, 35.0704, 13.8793



11.0403, 10.7995, 13.1956



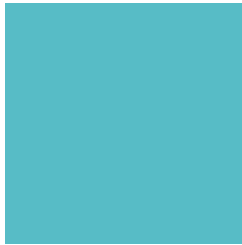
20.5302, 9.9616, 29.0654



0.9845, 0.4766, 1.4414

Previews

White Background



This preview shows how the XYZ color 32.1067, 42.0699, 59.8542 looks on a white background.

Color Contrast Check

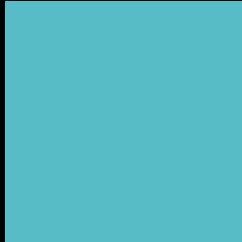
Large Text (above 18pt) WCAG AA × Fail

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 32.1067, 42.0699, 59.8542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

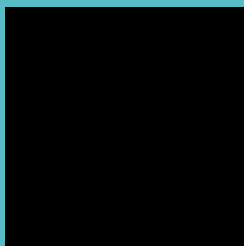
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

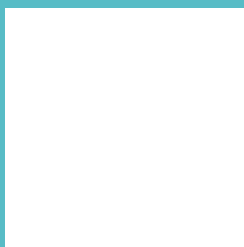
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1067, 42.0699, 59.8542

Background



This preview shows how black text looks on a background with the XYZ color 32.1067, 42.0699, 59.8542.

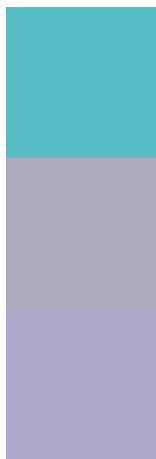


This preview shows how white text looks on a background with the XYZ color 32.1067, 42.0699,

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

32.1067, 42.0699, 59.8542

Protanopia

40.3271, 41.3716, 52.8738

Deuteranopia

42.3425, 41.3835, 61.6332



Tritanopia

32.5508, 41.9288, 62.2546

Trichromacy



Original Color

32.1067, 42.0699, 59.8542

Protanomaly

35.9413, 40.7813, 55.2675

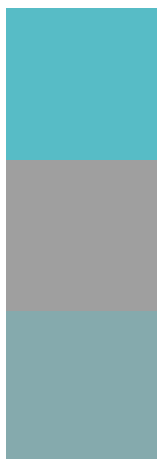
Deuteranomaly

37.2003, 40.7166, 61.1568

Tritanomaly

32.3374, 41.8324, 61.6284

Monochromacy



Original Color

32.1067, 42.0699, 59.8542

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.5904, 36.7531, 44.9642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1067, 42.0699, 59.8542 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(87, 188, 198)` looks like.

```
.text, #text, p{  
    color:rgb(87, 188, 198)  
}
```

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(87, 188, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 188, 198) }
```

Border

The CSS property to change the border of an element to XYZ 32.1067, 42.0699, 59.8542 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(87, 188, 198) }
```


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

```
.border{ border-color:rgb(87, 188, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 188, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 188, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 188, 198);  
box-shadow:4px 4px 4px 4px rgb(87, 188,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1067, 42.0699, 59.8542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 188, 198) }
```

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

```
.background{ background-color: rgb(87, 188,  
198) }
```

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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