

Converting Colors

XYZ(32.1399, 42.0381, 42.0175)

Have a look what the booklet for
XYZ(32.1399, 42.0381, 42.0175)
contains.

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Color

**XYZ(32.1696, 42.1792,
42.0432)**

Conversions

Conversions Part 1

Format	Color
Hex	77BBA5
RGB	119, 187, 165
RGB Percent	47%, 73%, 65%
CMY	0.5333, 0.2667, 0.3529
CMYK	0.36, 0.00, 0.12, 0.27
HSL	161°, 33%, 60%
HSV	161°, 36%, 73%
XYZ	32.1696, 42.1792, 42.0432
YIQ	164.1600, -33.4660, -21.2580

Conversions

Conversions Part 2

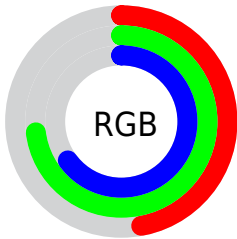
Format	Color
RYB	119, 160, 187
Decimal	7846821
CIELab	70.99, -26.53, 4.35
CIELCh	71, 26.881, 170.683
Yxy	42.1792, 0.2764, 0.3624
Android (android.graphics.Color)	4286036901 (0xFF77BBA5)
YUV	164.1600, 0.4141, -39.6053
Hunter-Lab	64.9455, -25.2379, 7.0798

Details

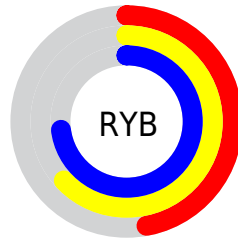
The XYZ color **32.1696, 42.1792, 42.0432** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.8995, 25.6826, 28.4769**, and the grayscale version is **35.3732, 37.2154, 40.5275**.

A 20% lighter version of the original color is **62.4244, 78.2672, 79.5271**, and **13.6149, 19.1256, 18.5968** is the 20% darker color. If you saturate the color by 10%, you get **29.3138, 40.7702, 39.1030**, and if you desaturate by 10%, it is **35.5588, 43.8623, 45.1462**.

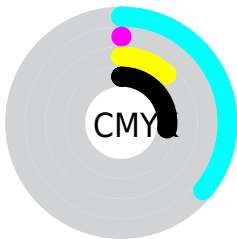
Distribution



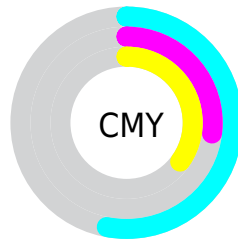
- Red (47%)
- Green (73%)
- Blue (65%)



- Red (47%)
- Yellow (63%)
- Blue (73%)



- Cyan (36%)
- Magenta (0%)
- Yellow (12%)
- Black (27%)





- Cyan (53%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1696, 42.1792, 42.0432 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 32.1696, 42.1792, 42.0432 by changing the saturation by 10% instead.


 32.1696, 42.1792,
42.0432


 32.1696, 42.1792,
42.0432

303.6227,
355.2253, 370.4669

 21.6472, 29.2416,
28.8093


 62.4403, 78.4708,
79.5358

 13.7131, 19.2637,
18.6923


 82.9193, 102.5936,
104.6316

 8.0017, 11.8610,
11.2736


 107.4480,
131.2135, 134.5184

 4.1479, 6.6491,
6.1347

136.3916,
164.7151, 169.6148

 1.7861, 3.2436,
2.8570

170.1155,
203.4827, 210.3393

 0.5093, 1.2602,
1.0221

208.9851,

 0.0000, 0.1101,

247.9006, 257.1105

0.0000

253.3657,
298.3534, 310.3468

■ 0.0000, 0.0000,
0.0000

■ 32.1696, 42.1792,
42.0432

■ 32.1696, 42.1792,
42.0432

■ 29.3138, 40.7702,
39.1030

■ 35.5588, 43.8623,
45.1462

■ 26.9577, 39.6148,
36.3195

■ 39.5055, 45.8287,
48.4123

■ 25.0693, 38.6975,
33.6901

■ 44.0366, 48.0933,
51.8453

■ 23.6112, 37.9992,
31.2112

■ 49.1763, 50.6685,
55.4483

■ 22.5399, 37.4974,
28.8788

■ 54.9471, 53.5659,
59.2238

■ 21.7986, 37.1630,
26.6881

■ 61.3706, 56.7965,
63.1748

■ 21.5692, 37.0614,
25.9243

■ 68.4672, 60.3709,
67.3037

■ 71.0729, 61.6269,
71.3705

■ 71.8575, 61.9407,
75.5018

Harmonies

Analogous

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



33.7828, 42.1792, 31.9899



32.1696, 42.1792, 42.0432



32.5527, 42.1792, 55.2110

Triad

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



32.1696, 42.1792, 42.0432



43.2130, 42.1792, 73.1168



45.8049, 42.1792, 29.3489

Complementary

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



32.1696, 42.1792, 42.0432



31.8995, 25.6826, 28.4769

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.



48.7093, 42.1792, 37.7451



32.1696, 42.1792, 42.0432



47.1372, 42.1792, 63.4153

Square

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



32.1696, 42.1792, 42.0432



38.7103, 42.1792, 74.8561



49.2143, 42.1792, 50.0407



41.5022, 42.1792, 25.6146

Rectangle

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



32.1696, 42.1792, 42.0432



33.9008, 42.1792, 63.9761



49.2143, 42.1792, 50.0407



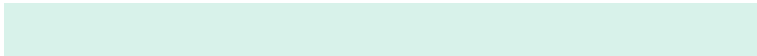
46.9902, 42.1792, 31.6369

Sweetspot

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



32.1708, 42.1809, 42.0442



74.8261, 84.1108, 89.8533



32.1996, 42.5957, 23.9781



16.2365, 18.4019, 19.6035



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.



32.1708, 42.1809, 42.0442



53.2808, 73.4014, 70.8811



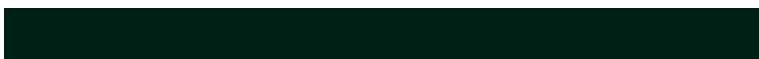
32.0388, 38.4315, 52.7451



9.6737, 10.7556, 11.5311



14.8949, 25.5483, 18.0414



0.6122, 1.0122, 0.8581

Inverse Universe

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



31.8995, 25.6826, 28.4769



52.7298, 39.3421, 42.9180



31.8516, 27.9519, 21.1699



9.6540, 9.5859, 10.5670



14.7212, 7.5196, 3.8253



0.6073, 0.3068, 0.3115

Previews

White Background



This preview shows how the XYZ color 32.1696, 42.1792, 42.0432 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 32.1696, 42.1792, 42.0432 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

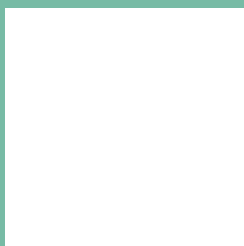
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1696, 42.1792, 42.0432

Background



This preview shows how black text looks on a background with the XYZ color 32.1696, 42.1792, 42.0432.

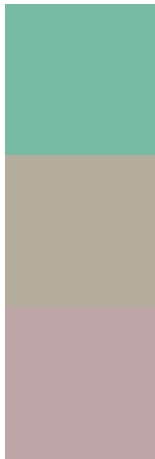


This preview shows how white text looks on a background with the XYZ color 32.1696, 42.1792,

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

32.1696, 42.1792, 42.0432

Protanopia

39.6607, 41.6427, 37.8458

Deuteranopia

42.4660, 41.5784, 43.3233



Tritanopia

35.5584, 41.9991, 59.0558

Trichromacy



Original Color

32.1696, 42.1792, 42.0432

Protanomaly

36.1679, 41.2514, 39.3138

Deuteranomaly

37.7210, 41.0986, 42.9905

Tritanomaly

34.2096, 42.0688, 52.2160

Monochromacy



Original Color

32.1696, 42.1792, 42.0432

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.6661, 38.4813, 40.7752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1696, 42.1792, 42.0432 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(119, 187, 165)` looks like.

```
.text, #text, p{  
    color:rgb(119, 187, 165)  
}
```

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(119, 187, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 187, 165) }
```

Border

The CSS property to change the border of an element to XYZ 32.1696, 42.1792, 42.0432 is called "border". The border property can be set on classes, ids or directly on the HTML element.

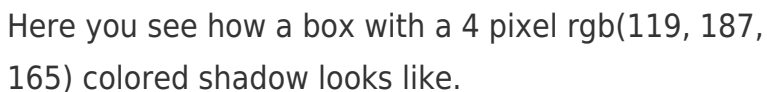
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 187, 165) }
```


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

```
.border{ border-color:rgb(119, 187, 165) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 187, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 187, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 187, 165);  
box-shadow:4px 4px 4px 4px rgb(119, 187,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1696, 42.1792, 42.0432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 187, 165) }
```

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

```
.background{ background-color: rgb(119,  
187, 165) }
```

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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