

Converting Colors

XYZ(30.3127, 42.8701, 42.6758)

Have a look what the booklet for
XYZ(30.3127, 42.8701, 42.6758)
contains.

XYZ(30.2468, 42.7796, 42.7395)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.2468, 42.7796,
42.7395)**

Conversions

Conversions Part 1

Format	Color
Hex	5DC0A6
RGB	93, 192, 166
RGB Percent	36%, 75%, 65%
CMY	0.6353, 0.2470, 0.3490
CMYK	0.52, 0.00, 0.14, 0.25
HSL	164°, 44%, 56%
HSV	164°, 52%, 75%
XYZ	30.2468, 42.7796, 42.7395
YIQ	159.4350, -50.6580, -29.0740

Conversions

Conversions Part 2

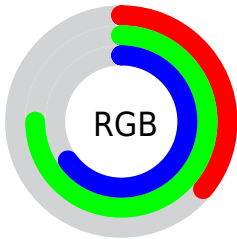
Format	Color
RYB	93, 150, 192
Decimal	6144166
CIELab	71.41, -35.38, 4.26
CIElCh	71, 35.638, 173.134
Yxy	42.7796, 0.2613, 0.3695
Android (android.graphics.Color)	4284334246 (0xFF5DC0A6)
YUV	159.4350, 3.2365, -58.2635
Hunter-Lab	65.4061, -31.9141, 7.0413

Details

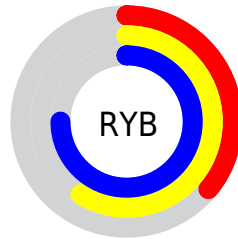
The XYZ color **30.2468, 42.7796, 42.7395** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **28.9838, 20.3683, 19.8583**, and the grayscale version is **33.1572, 34.8839, 37.9886**.

A 20% lighter version of the original color is **59.5045, 79.4559, 80.6069**, and **12.6324, 19.6531, 19.0472** is the 20% darker color. If you saturate the color by 10%, you get **28.0887, 41.7205, 40.2715**, and if you desaturate by 10%, it is **32.9134, 44.1008, 45.3279**.

Distribution



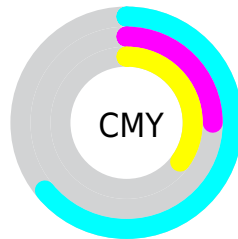
- Red (36%)
- Green (75%)
- Blue (65%)



- Red (36%)
- Yellow (59%)
- Blue (75%)



- Cyan (52%)
- Magenta (0%)
- Yellow (14%)
- Black (25%)





- Cyan (64%)
- Magenta (25%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2468, 42.7796, 42.7395 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 30.2468, 42.7796, 42.7395 by changing the saturation by 10% instead.


 30.2468, 42.7796,
42.7395


 30.2468, 42.7796,
42.7395


294.9424,
357.7046, 373.4291


 20.1750, 29.7122,
29.3509

 59.4362, 79.3782,
80.5997


 12.6313, 19.6203,
19.0986


 79.2845, 103.6781,
105.9085

 7.2504, 12.1193,
11.5640

 103.1224,
132.4911, 136.0276

 3.6669, 6.8250,
6.3286

 131.3152,
166.2015, 171.3758

 1.5155, 3.3529,
2.9739

164.2282,
205.1936, 212.3714

 0.3363, 1.3186,
1.0813

202.2268,

 0.0000, 0.1556,

249.8519, 259.4332

0.0000

245.6764,
300.5608, 312.9795

■ 0.0000, 0.0000,
0.0000

■ 30.2468, 42.7796,
42.7395

■ 30.2468, 42.7796,
42.7395

■ 28.0887, 41.7205,
40.2715

■ 32.9134, 44.1008,
45.3279

■ 26.3979, 40.8992,
37.9181

■ 36.1183, 45.6964,
48.0362

■ 25.1328, 40.2954,
35.6772

■ 39.8935, 47.5838,
50.8681

■ 24.2426, 39.8827,
33.5453

■ 44.2671, 49.7776,
53.8258

■ 23.7010, 39.6410,
31.8263

■ 49.2657, 52.2913,
56.9115

■ 54.9139, 55.1378,
60.1275

■ 61.2353, 58.3290,
63.4757

■ 68.2519, 61.8764,
66.9583

■ 71.8969, 63.6833,
70.3857

Harmonies

Analogous

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



32.1102, 42.7796, 29.4333



30.2468, 42.7796, 42.7395



30.9459, 42.7796, 60.8066

Triad

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



30.2468, 42.7796, 42.7395



45.3647, 42.7796, 84.0570



47.9838, 42.7796, 24.8279

Complementary

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



30.2468, 42.7796, 42.7395



28.9838, 20.3683, 19.8583

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.



52.2216, 42.7796, 34.7654



30.2468, 42.7796, 42.7395



50.6086, 42.7796, 69.3521

Square

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



30.2468, 42.7796, 42.7395



39.2967, 42.7796, 87.6957



53.2265, 42.7796, 50.6433



42.0559, 42.7796, 20.8706

Rectangle

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



30.2468, 42.7796, 42.7395



32.8080, 42.7796, 73.0238



53.2265, 42.7796, 50.6433



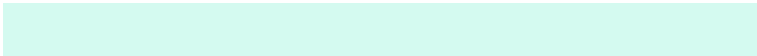
49.6761, 42.7796, 27.4419

Sweetspot

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



30.2480, 42.7813, 42.7405



77.1620, 88.6624, 95.5274



28.4896, 42.4417, 17.0473



16.1913, 18.8392, 20.2492



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



30.2480, 42.7813, 42.7405



50.4041, 75.3536, 72.3437



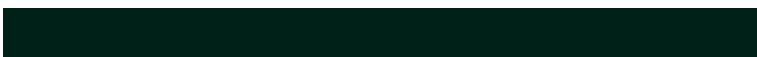
28.1994, 34.4733, 55.0388



10.2519, 11.3818, 12.3300



15.9810, 26.6865, 21.5907



0.7175, 1.1639, 1.0754

Inverse Universe

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



28.9838, 20.3683, 19.8583



47.8968, 30.2509, 26.4791



29.9723, 24.5119, 13.5083



10.1794, 10.1204, 11.0352



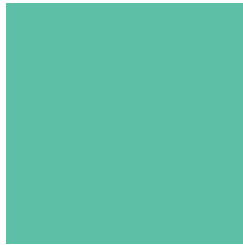
15.0489, 7.7093, 2.9036



0.6797, 0.3449, 0.2808

Previews

White Background



This preview shows how the XYZ color 30.2468, 42.7796, 42.7395 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 30.2468, 42.7796, 42.7395 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

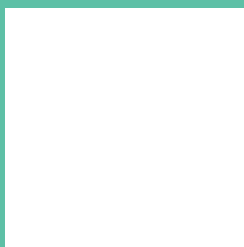
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2468, 42.7796, 42.7395

Background



This preview shows how black text looks on a background with the XYZ color 30.2468, 42.7796, 42.7395.



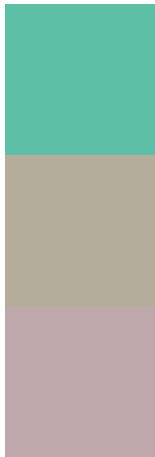
This preview shows how white text looks on a background with the XYZ color 30.2468, 42.7796,

42.7395.

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

30.2468, 42.7796, 42.7395

Protanopia

40.0004, 42.1112, 37.4725

Deuteranopia

42.8392, 42.0219, 44.3812



Tritanopia

34.1399, 42.7480, 62.3289

Trichromacy



Original Color

30.2468, 42.7796, 42.7395

Protanomaly

35.0608, 41.5701, 39.4336

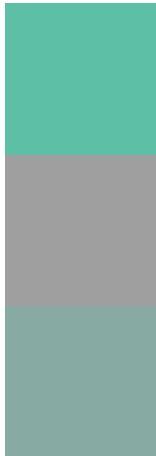
Deuteranomaly

36.4011, 41.2774, 43.5849

Tritanomaly

32.6384, 42.7786, 54.6810

Monochromacy



Original Color

30.2468, 42.7796, 42.7395

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.0762, 36.8854, 39.6641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2468, 42.7796, 42.7395 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(93, 192, 166)` looks like.

```
.text, #text, p{  
    color:rgb(93, 192, 166)  
}
```

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(93, 192, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 192, 166) }
```

Border

The CSS property to change the border of an element to XYZ 30.2468, 42.7796, 42.7395 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(93, 192, 166) }
```


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

```
.border{ border-color:rgb(93, 192, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 192, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 192, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 192, 166);  
box-shadow:4px 4px 4px 4px rgb(93, 192,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2468, 42.7796, 42.7395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 192, 166) }
```

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

```
.background{ background-color: rgb(93, 192,  
166) }
```

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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