

Converting Colors

XYZ(29.9757, 38.1153, 47.2326)

Have a look what the booklet for
XYZ(29.9757, 38.1153, 47.2326)
contains.

XYZ(30.0405, 38.2033, 47.3856)	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(30.0405, 38.2033,
47.3856)**

Conversions

Conversions Part 1

Format	Color
Hex	6CB2B1
RGB	108, 178, 177
RGB Percent	42%, 70%, 69%
CMY	0.5765, 0.3019, 0.3059
CMYK	0.39, 0.00, 0.01, 0.30
HSL	179°, 31%, 56%
HSV	179°, 39%, 70%
XYZ	30.0405, 38.2033, 47.3856
YIQ	156.9560, -41.3990, -15.1510

Conversions

Conversions Part 2

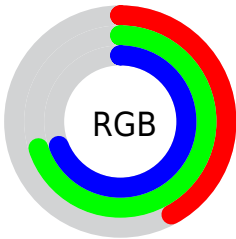
Format	Color
RYB	108, 143, 178
Decimal	7123633
CIELab	68.17, -22.22, -6.44
CIElCh	68, 23.132, 196.169
Yxy	38.2033, 0.2598, 0.3304
Android (android.graphics.Color)	4285313713 (0xFF6CB2B1)
YUV	156.9560, 9.8817, -42.9344
Hunter-Lab	61.8088, -21.4103, -2.1884

Details

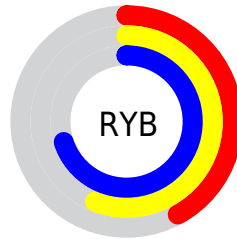
The XYZ color **30.0405, 38.2033, 47.3856** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.4843, 21.2952, 17.1838**, and the grayscale version is **31.9992, 33.6657, 36.6619**.

A 20% lighter version of the original color is **59.2351, 72.5154, 87.9656**, and **12.5566, 16.9322, 22.0085** is the 20% darker color. If you saturate the color by 10%, you get **28.0677, 37.1902, 47.1616**, and if you desaturate by 10%, it is **32.4575, 39.4473, 47.6323**.

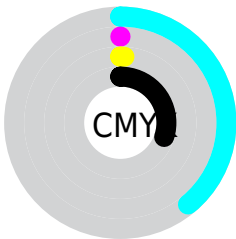
Distribution



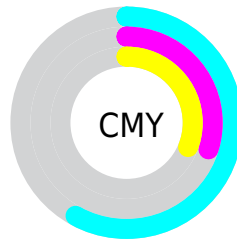
- Red (42%)
- Green (70%)
- Blue (69%)



- Red (42%)
- Yellow (56%)
- Blue (70%)



- Cyan (39%)
- Magenta (0%)
- Yellow (1%)
- Black (30%)



- Cyan (58%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0405, 38.2033, 47.3856 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 30.0405, 38.2033, 47.3856 by changing the saturation by 10% instead.

■ 30.0405, 38.2033,
47.3856

■ 30.0405, 38.2033,
47.3856

293.9996,
338.4913, 392.7898

■ 20.0176, 26.1405,
32.9841

■ 59.1124, 72.4196,
87.6449

■ 12.5161, 16.9288,
21.8432

■ 78.8921, 95.3420,
114.3398

■ 7.1709, 10.1837,
13.5445

■ 102.6547,
122.6530, 145.9695

■ 3.6165, 5.5209,
7.6695

■ 130.7657,
154.7370, 182.9526

■ 1.4875, 2.5560,
3.7995

163.5903,
191.9784, 225.7077

■ 0.3173, 0.9046,
1.5160

201.4939,

■ 0.0000, 0.0000,

234.7617, 274.6532

0.2298

244.8419,
283.4712, 330.2077

■ 0.0000, 0.0000,
0.0000

■ 30.0405, 38.2033,
47.3856

■ 30.0405, 38.2033,
47.3856

■ 28.0677, 37.1902,
47.1616

■ 32.4575, 39.4473,
47.6323

■ 26.5088, 36.3894,
46.9564

■ 35.3403, 40.9305,
47.9002

■ 25.3348, 35.7871,
46.7695

■ 38.7128, 42.6661,
48.1913

■ 24.5116, 35.3657,
46.5992

■ 42.5965, 44.6653,
48.5065

■ 23.9991, 35.1044,
46.4437

■ 47.0117, 46.9384,
48.8469

■ 23.7204, 34.9636,
46.2994

■ 51.9772, 49.4953,
49.2132

■ 23.7037, 34.9552,
46.2898

■ 57.5114, 52.3453,
49.6065

■ 63.6315, 55.4973,
50.0274

■ 65.3276, 56.3688,
50.2415

Harmonies

Analogous

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



29.9759, 38.2033, 37.0206



30.0405, 38.2033, 47.3856



31.7104, 38.2033, 57.6595

Triad

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



30.0405, 38.2033, 47.3856



41.5555, 38.2033, 56.9489



37.9969, 38.2033, 25.1175

Complementary

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



30.0405, 38.2033, 47.3856



26.4843, 21.2952, 17.1838

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.



41.3366, 38.2033, 28.8343



30.0405, 38.2033, 47.3856



43.4813, 38.2033, 46.5356

Square

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



30.0405, 38.2033, 47.3856



38.2798, 38.2033, 63.7754



43.3987, 38.2033, 36.2999



34.4111, 38.2033, 25.2679

Rectangle

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



30.0405, 38.2033, 47.3856



33.5765, 38.2033, 62.5743



43.3987, 38.2033, 36.2999



39.1903, 38.2033, 25.9256

Sweetspot

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



30.0416, 38.2048, 47.3865



68.3445, 76.4140, 87.2317



24.9555, 36.1868, 19.8575



14.9642, 16.8381, 19.3110



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.0416, 38.2048, 47.3865



51.3888, 67.6920, 85.5805



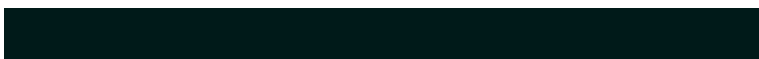
24.2198, 26.4007, 45.9406



8.7373, 9.6294, 10.8763



16.9617, 25.0106, 33.1306



0.5353, 0.7876, 1.0512

Inverse Universe

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



26.4843, 21.2952, 17.1838



44.0491, 32.7959, 23.2596



30.7164, 29.8454, 18.3298



8.5011, 8.5072, 8.8714



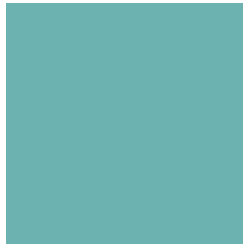
13.1489, 6.7771, 0.6780



0.4153, 0.2139, 0.0299

Previews

White Background



This preview shows how the XYZ color 30.0405, 38.2033, 47.3856 looks on a white background.

Color Contrast Check

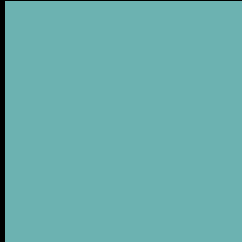
Large Text (above 18pt) WCAG AA × Fail

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 30.0405, 38.2033, 47.3856 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 30.0405, 38.2033, 47.3856

Background



This preview shows how black text looks on a background with the XYZ color 30.0405, 38.2033, 47.3856.

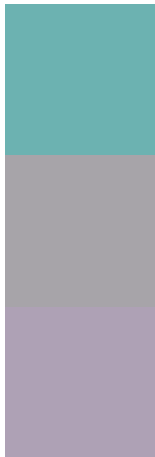


This preview shows how white text looks on a background with the XYZ color 30.0405, 38.2033,

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

30.0405, 38.2033, 47.3856

Protanopia

36.3732, 37.6310, 42.8825

Deuteranopia

38.5409, 37.8246, 48.9856



Tritanopia

31.5017, 38.2131, 54.4308

Trichromacy



Original Color

30.0405, 38.2033, 47.3856

Protanomaly

33.4884, 37.4655, 44.4963

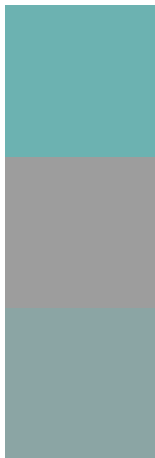
Deuteranomaly

34.6346, 37.4168, 48.5767

Tritanomaly

31.0346, 38.3266, 51.6610

Monochromacy



Original Color

30.0405, 38.2033, 47.3856

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.8034, 35.0796, 40.2695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0405, 38.2033, 47.3856 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(108, 178, 177)` looks like.

```
.text, #text, p{  
    color:rgb(108, 178, 177)  
}
```

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(108, 178, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 178, 177) }
```

Border

The CSS property to change the border of an element to XYZ 30.0405, 38.2033, 47.3856 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(108, 178, 177) }
```


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

```
.border{ border-color:rgb(108, 178, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 178, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 178, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 178, 177);  
box-shadow:4px 4px 4px 4px rgb(108, 178,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0405, 38.2033, 47.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 178, 177) }
```

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

```
.background{ background-color: rgb(108,  
178, 177) }
```

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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