

Converting Colors

XYZ(29.7439, 41.5397, 40.5020)

Have a look what the booklet for
XYZ(29.7439, 41.5397, 40.5020)
contains.

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Color

**XYZ(29.7562, 41.6005,
40.6438)**

Conversions

Conversions Part 1

Format	Color
Hex	62BDA2
RGB	98, 189, 162
RGB Percent	38%, 74%, 64%
CMY	0.6157, 0.2588, 0.3647
CMYK	0.48, 0.00, 0.14, 0.26
HSL	162°, 41%, 56%
HSV	162°, 48%, 74%
XYZ	29.7562, 41.6005, 40.6438
YIQ	158.7130, -45.5690, -27.6890

Conversions

Conversions Part 2

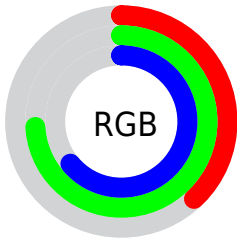
Format	Color
RYB	98, 151, 189
Decimal	6471074
CIELab	70.59, -33.74, 5.30
CIElCh	71, 34.158, 171.079
Yxy	41.6005, 0.2657, 0.3714
Android (android.graphics.Color)	4284661154 (0xFF62BDA2)
YUV	158.7130, 1.6205, -53.2453
Hunter-Lab	64.4984, -30.5218, 7.7872

Details

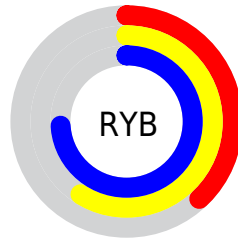
The XYZ color **29.7562, 41.6005, 40.6438** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.0570, 21.0360, 21.9325**, and the grayscale version is **32.8323, 34.5422, 37.6164**.

A 20% lighter version of the original color is **58.8066, 77.7913, 77.5614**, and **12.3151, 18.8851, 17.7480** is the 20% darker color. If you saturate the color by 10%, you get **27.4654, 40.4770, 37.9927**, and if you desaturate by 10%, it is **32.5530, 42.9845, 43.4365**.

Distribution



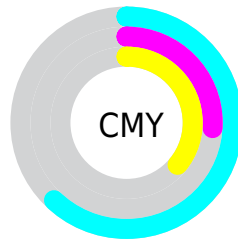
- Red (38%)
- Green (74%)
- Blue (64%)



- Red (38%)
- Yellow (59%)
- Blue (74%)



- Cyan (48%)
- Magenta (0%)
- Yellow (14%)
- Black (26%)



- Cyan (62%)
- Magenta (26%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7562, 41.6005, 40.6438 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 29.7562, 41.6005, 40.6438 by changing the saturation by 10% instead.

■ 29.7562, 41.6005,
40.6438

■ 29.7562, 41.6005,
40.6438

292.6967,
352.8242, 364.4621

■ 19.8008, 28.7886,
27.7233

■ 58.6657, 77.5946,
77.3907

■ 12.3577, 18.9210,
17.8799

■ 78.3504, 101.5457,
102.0541

■ 7.0617, 11.6132,
10.6953

■ 102.0090,
129.9785, 131.4688

■ 3.5474, 6.4809,
5.7507

■ 130.0068,
163.2776, 166.0535

■ 1.4494, 3.1396,
2.6278

162.7091,
201.8273, 206.2266

■ 0.2910, 1.2051,
0.9067

200.4812,

■ 0.0000, 0.0658,

246.0121, 252.4068

0.0000

243.6886,
296.2162, 305.0124

■ 0.0000, 0.0000,
0.0000

■ 29.7562, 41.6005,
40.6438

■ 29.7562, 41.6005,
40.6438

■ 27.4654, 40.4770,
37.9927

■ 32.5530, 42.9845,
43.4365

■ 25.6425, 39.5910,
35.4771

■ 35.8837, 44.6400,
46.3709

■ 24.2494, 38.9241,
33.0947


■ 39.7782, 46.5836,
49.4506


■ 23.2400, 38.4526,
30.8418


■ 44.2632, 48.8289,
52.6783


■ 22.5425, 38.1394,
28.7134


■ 49.3634, 51.3887,
56.0567

 22.4266, 38.0879,
28.3317

 55.1025, 54.2750,
59.5881

 61.5026, 57.4994,
63.2749

 68.5848, 61.0727,
67.1195

 71.3820, 62.4341,
70.8907

Harmonies

Analogous

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



31.6814, 41.6005, 28.4370



29.7562, 41.6005, 40.6438



30.2513, 41.6005, 57.4226

Triad

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



29.7562, 41.6005, 40.6438



43.5742, 41.6005, 80.9382



46.7596, 41.6005, 25.1580

Complementary

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



29.7562, 41.6005, 40.6438



29.0570, 21.0360, 21.9325

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.



50.5587, 41.6005, 35.0093



29.7562, 41.6005, 40.6438



48.6013, 41.6005, 67.7696

Square

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



29.7562, 41.6005, 40.6438



37.8804, 41.6005, 83.4738



51.2629, 41.6005, 50.2900



41.2474, 41.6005, 21.0015

Rectangle

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



29.7562, 41.6005, 40.6438



31.9086, 41.6005, 68.9496



51.2629, 41.6005, 50.2900



48.3004, 41.6005, 27.7844

Sweetspot

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



29.7574, 41.6022, 40.6448



74.2629, 84.9400, 90.7988



28.9048, 41.6614, 18.0740



15.6077, 18.0847, 19.2600



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.



29.7574, 41.6022, 40.6448



48.9046, 72.3526, 67.6820



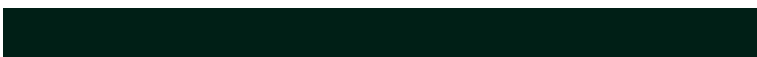
28.7488, 35.3227, 53.4488



9.6847, 10.7600, 11.5889



15.1235, 25.6397, 19.2452



0.6198, 1.0153, 0.8983

Inverse Universe

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



29.0570, 21.0360, 21.9325



47.5251, 31.0831, 30.2610



29.4607, 24.2388, 14.6818



9.6435, 9.5817, 10.5118



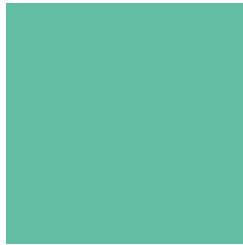
14.6315, 7.4838, 3.3534



0.6028, 0.3050, 0.2878

Previews

White Background



This preview shows how the XYZ color 29.7562, 41.6005, 40.6438 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 29.7562, 41.6005, 40.6438 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

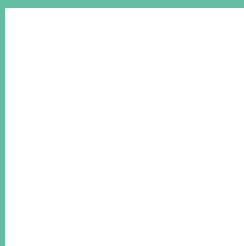
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7562, 41.6005, 40.6438

Background



This preview shows how black text looks on a background with the XYZ color 29.7562, 41.6005, 40.6438.



This preview shows how white text looks on a background with the XYZ color 29.7562, 41.6005,

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

29.7562, 41.6005, 40.6438

Protanopia

38.9031, 41.0094, 36.0022

Deuteranopia

41.8465, 41.0096, 42.2693



Tritanopia

33.7560, 41.6557, 60.2941

Trichromacy



Original Color

29.7562, 41.6005, 40.6438

Protanomaly

34.4988, 40.7251, 37.4949

Deuteranomaly

35.8322, 40.1568, 41.4598

Tritanomaly

32.2475, 41.6662, 52.7971

Monochromacy



Original Color

29.7562, 41.6005, 40.6438

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.0364, 36.6059, 38.6876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7562, 41.6005, 40.6438 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(98, 189, 162)` looks like.

```
.text, #text, p{  
    color:rgb(98, 189, 162)  
}
```

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(98, 189, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 189, 162) }
```

Border

The CSS property to change the border of an element to XYZ 29.7562, 41.6005, 40.6438 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(98, 189, 162) }
```


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

```
.border{ border-color:rgb(98, 189, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 189, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 189, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 189, 162);  
box-shadow:4px 4px 4px 4px rgb(98, 189,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7562, 41.6005, 40.6438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 189, 162) }
```

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

```
.background{ background-color: rgb(98, 189,  
162) }
```

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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