

Converting Colors

XYZ(33.3265, 42.0723, 63.4910)

Have a look what the booklet for
XYZ(33.3265, 42.0723, 63.4910)
contains.

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Color

**XYZ(33.2819, 41.9642,
63.4725)**

Conversions

Conversions Part 1

Format	Color
Hex	60BACC
RGB	96, 186, 204
RGB Percent	38%, 73%, 80%
CMY	0.6235, 0.2706, 0.2000
CMYK	0.53, 0.09, 0.00, 0.20
HSL	190°, 51%, 59%
HSV	190°, 53%, 80%
XYZ	33.2819, 41.9642, 63.4725
YIQ	161.1420, -59.4180, -13.4820

Conversions

Conversions Part 2

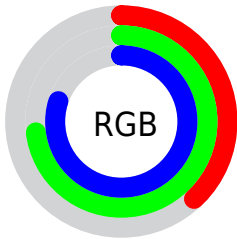
Format	Color
RYB	96, 145, 204
Decimal	6339276
CIELab	70.85, -21.92, -17.34
CIELCh	71, 27.946, 218.345
Yxy	41.9642, 0.2399, 0.3025
Android (android.graphics.Color)	4284529356 (0xFF60BACC)
YUV	161.1420, 21.1290, -57.1295
Hunter-Lab	64.7798, -21.6567, -12.7477

Details

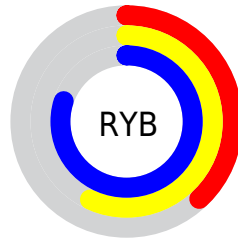
The XYZ color **33.2819, 41.9642, 63.4725** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.0316, 25.7178, 14.2908**, and the grayscale version is **33.8682, 35.6320, 38.8032**.

A 20% lighter version of the original color is **63.1286, 77.5943, 106.2577**, and **14.3992, 19.2383, 31.8086** is the 20% darker color. If you saturate the color by 10%, you get **30.7002, 39.5835, 63.1498**, and if you desaturate by 10%, it is **36.4401, 44.6692, 63.8289**.

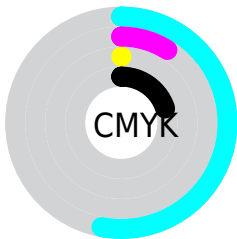
Distribution



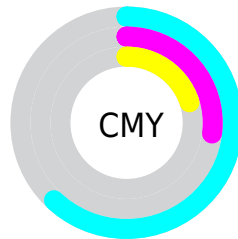
- Red (38%)
- Green (73%)
- Blue (80%)



- Red (38%)
- Yellow (57%)
- Blue (80%)



- Cyan (53%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)



- Cyan (62%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2819, 41.9642, 63.4725 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 33.2819, 41.9642, 63.4725 by changing the saturation by 10% instead.

■ 33.2819, 41.9642,
63.4725

■ 33.2819, 41.9642,
63.4725

308.5607,
354.3345, 455.4373

■ 22.5028, 29.0733,
45.7801

■ 64.1671, 78.1454,
111.4430

■ 14.3454, 19.1362,
31.7249

■ 85.0039, 102.2045,
142.5583

■ 8.4446, 11.7688,
20.8884

■ 109.9240,
130.7551, 178.9849

■ 4.4349, 6.5864,
12.8520

■ 139.2927,
164.1816, 221.1414

■ 1.9510, 3.2048,
7.1972

173.4753,
202.8684, 269.4464

■ 0.6062, 1.2396,
3.5054

212.8373,

■ 0.0000, 0.0937,

247.1999, 324.3183

1.3581

257.7440,
297.5605, 386.1758

■ 0.0000, 0.0000,
0.1087

■ 0.0000, 0.0000,
0.0000

■ 33.2819, 41.9642,
63.4725

■ 33.2819, 41.9642,
63.4725

■ 30.7002, 39.5835,
63.1498

■ 36.4401, 44.6692,
63.8289

■ 28.6469, 37.4994,
62.8558

■ 40.2103, 47.7144,
64.2180

■ 27.0726, 35.6872,
62.5889

■ 44.6297, 51.1198,
64.6424

■ 25.9161, 34.1151,
62.3465

■ 49.7314, 54.9027,
65.1037

■ 25.2744, 33.1101,
62.1863

■ 55.5461, 59.0792,
65.6033

■ 62.1026, 63.6643,
66.1428

■ 69.4283, 68.6722,
66.7233

■ 75.9843, 73.3097,
67.2729

■ 76.8495, 75.0403,
67.5613

Harmonies

Analogous

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



31.6841, 41.9642, 49.5065



33.2819, 41.9642, 63.4725



36.6793, 41.9642, 73.8328

Triad

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



33.2819, 41.9642, 63.4725



48.7776, 41.9642, 55.7976



38.6032, 41.9642, 24.7659

Complementary

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



33.2819, 41.9642, 63.4725



33.0316, 25.7178, 14.2908

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.



43.2737, 41.9642, 25.8002



33.2819, 41.9642, 63.4725



49.3930, 41.9642, 42.0784

Square

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



33.2819, 41.9642, 63.4725



45.6884, 41.9642, 68.8369



47.3099, 41.9642, 31.5869



34.5964, 41.9642, 28.4209

Rectangle

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



33.2819, 41.9642, 63.4725



39.6283, 41.9642, 76.3321



47.3099, 41.9642, 31.5869



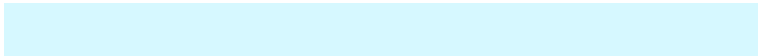
40.1442, 41.9642, 24.5933

Sweetspot

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



33.2832, 41.9658, 63.4735



79.4690, 88.8043, 107.5602



29.3537, 46.8479, 22.8846



16.6291, 18.7262, 22.9880



0.0000, 0.0000, 0.0000



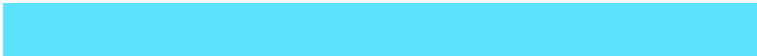
20.3446, 21.4041, 23.3091

Same Dimension

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



33.2832, 41.9658, 63.4735



50.1324, 64.8625, 104.4852



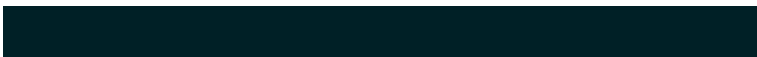
24.2218, 23.8429, 60.4530



11.3780, 12.3963, 14.3634



15.9666, 20.9572, 39.1599



0.8671, 1.1679, 2.0347

Inverse Universe

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



37.9488, 24.7496, 49.2330



59.0258, 34.4701, 76.7966



40.6869, 41.0284, 16.8426



11.6041, 11.3704, 13.7160



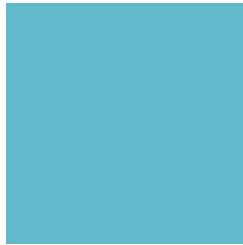
20.2701, 9.9186, 24.9388



1.0676, 0.5204, 1.4018

Previews

White Background



This preview shows how the XYZ color 33.2819, 41.9642, 63.4725 looks on a white background.

Color Contrast Check

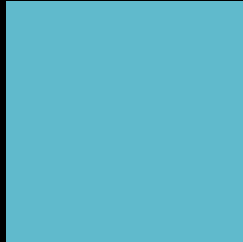
Large Text (above 18pt) WCAG AA × Fail

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 33.2819, 41.9642, 63.4725 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 33.2819, 41.9642, 63.4725

Background



This preview shows how black text looks on a background with the XYZ color 33.2819, 41.9642, 63.4725.



This preview shows how white text looks on a background with the XYZ color 33.2819, 41.9642,

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

33.2819, 41.9642, 63.4725

Protanopia

40.6627, 41.4559, 56.8976

Deuteranopia

42.5864, 41.7007, 65.4790



Tritanopia

32.8208, 41.7678, 61.5905

Trichromacy



Original Color

33.2819, 41.9642, 63.4725

Protanomaly

36.8737, 40.8787, 59.3730

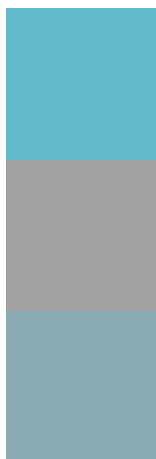
Deuteranomaly

38.0941, 41.0942, 64.9557

Tritanomaly

32.9389, 41.8150, 62.2121

Monochromacy



Original Color

33.2819, 41.9642, 63.4725

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.6271, 37.2421, 47.0638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2819, 41.9642, 63.4725 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(96, 186, 204)` looks like.

```
.text, #text, p{  
    color:rgb(96, 186, 204)  
}
```

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(96, 186, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 186, 204) }
```

Border

The CSS property to change the border of an element to XYZ 33.2819, 41.9642, 63.4725 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(96, 186, 204) }
```


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

```
.border{ border-color:rgb(96, 186, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 186, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 186, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 186, 204);  
box-shadow:4px 4px 4px 4px rgb(96, 186,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2819, 41.9642, 63.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 186, 204) }
```

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

```
.background{ background-color: rgb(96, 186,  
204) }
```

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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