

Converting Colors

XYZ(28.4632, 36.3074, 61.7419)

Have a look what the booklet for
XYZ(28.4632, 36.3074, 61.7419)
contains.

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Color

**XYZ(28.4242, 36.1650,
61.9823)**

Conversions

Conversions Part 1

Format	Color
Hex	43AFCB
RGB	67, 175, 203
RGB Percent	26%, 69%, 80%
CMY	0.7372, 0.3137, 0.2039
CMYK	0.67, 0.14, 0.00, 0.20
HSL	192°, 57%, 53%
HSV	192°, 67%, 80%
XYZ	28.4242, 36.1650, 61.9823
YIQ	145.9000, -73.3560, -14.1880

Conversions

Conversions Part 2

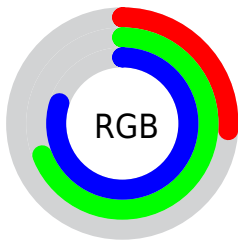
Format	Color
RYB	67, 127, 203
Decimal	4435915
CIELab	66.65, -21.87, -23.26
CIELCh	67, 31.927, 226.770
Yxy	36.1650, 0.2246, 0.2857
Android (android.graphics.Color)	4282625995 (0xFF43AFCB)
YUV	145.9000, 28.1503, -69.1953
Hunter-Lab	60.1373, -20.8715, -19.0128

Details

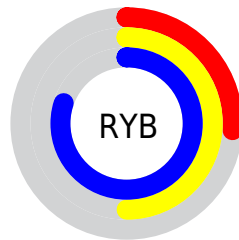
The XYZ color **28.4242, 36.1650, 61.9823** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **29.7351, 21.2877, 7.8532**, and the grayscale version is **27.1920, 28.6081, 31.1542**.

A 20% lighter version of the original color is **55.8318, 69.1177, 105.0061**, and **12.3843, 16.0890, 30.8865** is the 20% darker color. If you saturate the color by 10%, you get **26.4680, 33.9683, 61.6621**, and if you desaturate by 10%, it is **30.8955, 38.6661, 62.3355**.

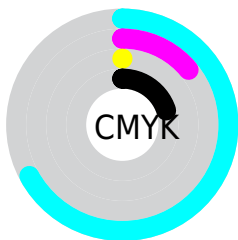
Distribution



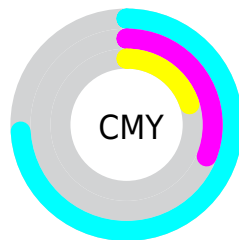
- Red (26%)
- Green (69%)
- Blue (80%)



- Red (26%)
- Yellow (50%)
- Blue (80%)



- Cyan (67%)
- Magenta (14%)
- Yellow (0%)
- Black (20%)



- Cyan (74%)
- Magenta (31%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4242, 36.1650, 61.9823 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 28.4242, 36.1650, 61.9823 by changing the saturation by 10% instead.

■ 28.4242, 36.1650,
61.9823

■ 28.4242, 36.1650,
61.9823

286.5318,
329.6812, 449.8724

■ 18.7878, 24.5617,
44.5827

■ 56.5649, 69.2867,
109.2713

■ 11.6201, 15.7508,
30.7883

■ 75.7999, 91.5738,
139.9978

■ 6.5559, 9.3480,
20.1806

■ 98.9651, 118.1909,
176.0036

■ 3.2298, 4.9688,
12.3410

■ 126.4259,
149.5225, 217.7074

■ 1.2764, 2.2290,
6.8510

■ 158.5476,
185.9529, 265.5276

■ 0.1655, 0.7357,
3.2921

195.6956,

■ 0.0000, 0.0000,

227.8666, 319.8828

1.2456

238.2352,
275.6479, 381.1916

■ 0.0000, 0.0000,
0.0166

■ 0.0000, 0.0000,
0.0000

■ 28.4242, 36.1650,
61.9823

■ 28.4242, 36.1650,
61.9823

■ 26.4680, 33.9683,
61.6621

■ 30.8955, 38.6661,
62.3355

■ 24.9696, 32.0439,
61.3696

■ 33.9246, 41.4917,
62.7212

■ 23.8583, 30.3557,
61.1023

■ 37.5532, 44.6645,
63.1424

■ 23.5606, 29.8738,
61.0250

■ 41.8184, 48.2038,
63.6007

■ 46.7539, 52.1273,
64.0979

■ 52.3911, 56.4515,
64.6355

■ 58.7594, 61.1918,
65.2148

■ 65.8863, 66.3629,
65.8373

■ 73.7980, 71.9785,
66.5042

Harmonies

Analogous

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



26.2624, 36.1650, 47.5187



28.4242, 36.1650, 61.9823



32.3016, 36.1650, 71.1720

Triad

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



28.4242, 36.1650, 61.9823



44.1782, 36.1650, 45.7512



31.7755, 36.1650, 19.0827

Complementary

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



28.4242, 36.1650, 61.9823



29.7351, 21.2877, 7.8532

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.



36.5326, 36.1650, 18.8228



28.4242, 36.1650, 61.9823



44.0038, 36.1650, 32.2237

Square

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



28.4242, 36.1650, 61.9823



41.5569, 36.1650, 60.4312



41.1005, 36.1650, 23.0694



28.0701, 36.1650, 23.8882

Rectangle

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



28.4242, 36.1650, 61.9823



35.4747, 36.1650, 71.9433



41.1005, 36.1650, 23.0694



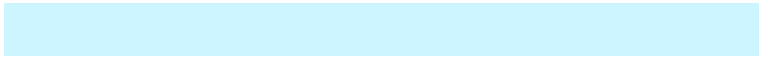
33.2958, 36.1650, 18.5079

Sweetspot

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



28.4254, 36.1663, 61.9832



75.4532, 85.0600, 107.0492



25.7012, 44.7178, 17.9152



15.6443, 17.8047, 22.8621



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.



28.4254, 36.1663, 61.9832



43.2094, 55.5122, 103.0453



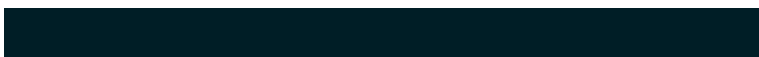
18.4371, 16.1897, 58.6537



11.3395, 12.3195, 14.3506



15.0605, 19.1450, 38.8578



0.8277, 1.0892, 2.0216

Inverse Universe

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



34.3746, 19.8072, 42.5701



54.4340, 28.4317, 65.5695



38.5984, 39.0143, 10.8077



11.5847, 11.3626, 13.6139



19.8127, 9.7357, 22.5304



1.0477, 0.5125, 1.2973

Previews

White Background



This preview shows how the XYZ color 28.4242, 36.1650, 61.9823 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 28.4242, 36.1650, 61.9823 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 28.4242, 36.1650, 61.9823

Background



This preview shows how black text looks on a background with the XYZ color 28.4242, 36.1650, 61.9823.

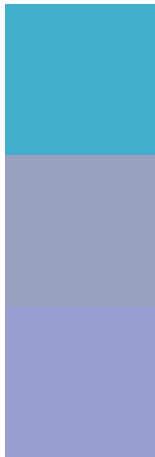


This preview shows how white text looks on a background with the XYZ color 28.4242, 36.1650,

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

28.4242, 36.1650, 61.9823

Protanopia

35.4117, 35.8174, 54.9162

Deuteranopia

36.4382, 35.6341, 63.9891



Tritanopia

26.9896, 36.1665, 54.8486

Trichromacy



Original Color

28.4242, 36.1650, 61.9823

Protanomaly

31.4450, 35.0334, 57.3293

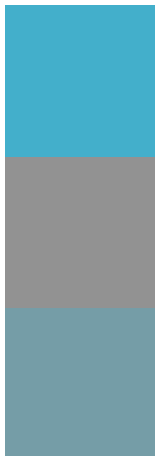
Deuteranomaly

32.3012, 35.0721, 63.4597

Tritanomaly

27.4256, 36.0476, 57.1422

Monochromacy



Original Color

28.4242, 36.1650, 61.9823

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.3681, 30.6859, 41.0924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4242, 36.1650, 61.9823 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(67, 175, 203)` looks like.

```
.text, #text, p{  
    color:rgb(67, 175, 203)  
}
```

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(67, 175, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 175, 203) }
```

Border

The CSS property to change the border of an element to XYZ 28.4242, 36.1650, 61.9823 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(67, 175, 203) }
```


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

```
.border{ border-color:rgb(67, 175, 203) }
```

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

Here you see how a box with a 4 pixel rgb(67, 175, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 175, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 175, 203);  
box-shadow:4px 4px 4px 4px rgb(67, 175,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4242, 36.1650, 61.9823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 175, 203) }
```

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

```
.background{ background-color: rgb(67, 175,  
203) }
```

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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