Converting Colors

XYZ(29.0983, 35.9077, 50.9695)

Have a look what the booklet for XYZ(29.0983, 35.9077, 50.9695) contains.

XYZ(28.9978, 35.8493, 50.7387) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 28
- ***CSS Examples*** 31

Color

XYZ(28.9978, 35.8493, 50.7387)

Conversions

Conversions Part 1

Format	Color
Hex	67ACB8
RGB	103, 172, 184
RGB Percent	40%, 67%, 72%
CMY	0.5961, 0.3255, 0.2784
CMYK	0.44, 0.07, 0.00, 0.28
HSL	189°, 36%, 56%
HSV	189°, 44%, 72%
XYZ	28.9978, 35.8493, 50.7387
YIQ	152.7370, -44.9760, -10.8960

Conversions

Conversions Part 2

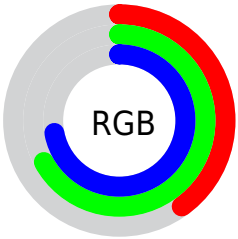
Format	Color
RYB	103, 140, 184
Decimal	6794424
CIELab	66.40, -18.59, -12.98
CIELCh	66, 22.676, 214.917
Yxy	35.8493, 0.2509, 0.3102
Android (android.graphics.Color)	4284984504 (0xFF67ACB8)
YUV	152.7370, 15.4127, -43.6193
Hunter-Lab	59.8743, -18.3304, -8.3316

Details

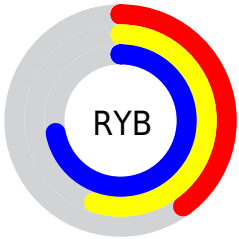
The XYZ color 28.9978, 35.8493, 50.7387 is a light color, and the websafe version is hex 669999. A complement of this color would be 28.3468, 23.4318, 15.8617, and the grayscale version is 30.1141, 31.6824, 34.5021.

A 20% lighter version of the original color is 57.5721, 69.0472, 92.7311, and 11.9855, 15.6760, 23.8668 is the 20% darker color. If you saturate the color by 10%, you get 26.6019, 33.8527, 50.4802, and if you desaturate by 10%, it is 31.8709, 38.1093, 51.0241.

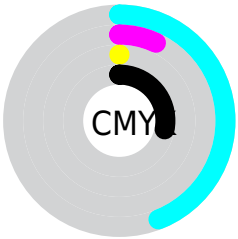
Distribution



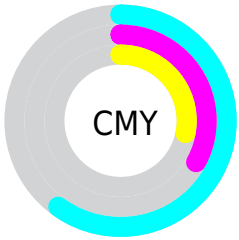
- Red (40%)
- Green (67%)
- Blue (72%)



- Red (40%)
- Yellow (55%)
- Blue (72%)



- Cyan (44%)
- Magenta (7%)
- Yellow (0%)
- Black (28%)



- Cyan (60%)
- Magenta (33%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9978, 35.8493, 50.7387 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 28.9978, 35.8493, 50.7387 by changing the saturation by 10% instead.

28.9978, 35.8493, 50.7387

28.9978, 35.8493, 50.7387

289.1990, 328.3014, 406.3653

19.2234, 24.3178, 35.6254

57.4712, 68.7994, 92.6760

11.9368, 15.5696, 23.8576

76.9009, 90.9868, 120.3370

6.7725, 9.2201, 15.0168

100.2798, 117.4950, 153.0177

3.3653, 4.8850, 8.6844

127.9732, 148.7084, 191.1366

1.3498, 2.1800, 4.4419

160.3464, 185.0113, 235.1123

0.2200, 0.7090, 1.8708

197.7649,

0.0000, 0.0000,

226.7882, 285.3633

0.4741

240.5940, 274.4234, 342.3081

0.0000, 0.0000, 0.0000

28.9978, 35.8493, 50.7387

28.9978, 35.8493, 50.7387

26.6019, 33.8527, 50.4802

31.8709, 38.1093, 51.0241

24.6491, 32.0995, 50.2447

35.2461, 40.6432, 51.3353

23.1059, 30.5730, 50.0314

39.1502, 43.4658, 51.6744

21.9324, 29.2527, 49.8384

43.6073, 46.5895, 52.0424

21.0808, 28.1136, 49.6635

48.6400, 50.0260, 52.4405

20.6657, 27.4884, 49.5647

54.2695, 53.7865, 52.8696

60.5160, 57.8815, 53.3308

67.3988, 62.3208, 53.8249

69.7524, 64.4418, 54.1102

Harmonies

Analogous

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

27.9766, 35.8493, 40.6578

28.9978, 35.8493, 50.7387

31.3814, 35.8493, 58.5258

Triad

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

28.9978, 35.8493, 50.7387

40.3325, 35.8493, 47.5051

33.5174, 35.8493, 23.2169

Complementary

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

28.9978, 35.8493, 50.7387

28.3468, 23.4318, 15.8617

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.

36.9157, 35.8493, 24.4355

28.9978, 35.8493, 50.7387

40.9979, 35.8493, 37.4536

Square

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

28.9978, 35.8493, 50.7387

37.9472, 35.8493, 56.4521

39.7098, 35.8493, 29.2835

30.4731, 35.8493, 25.6267

Rectangle

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

28.9978, 35.8493, 50.7387

33.4988, 35.8493, 60.7664

39.7098, 35.8493, 29.2835

34.6551, 35.8493, 23.2203

Sweetspot

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

28.9989, 35.8507, 50.7395

71.5803, 79.2264, 93.7242

25.7608, 38.3757, 21.9105

15.0738, 16.8251, 20.1747

88.6918, 93.3107, 101.6153

17.8044, 18.7317, 20.3988

Same Dimension

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

28.9989, 35.8507, 50.7395

48.2750, 61.4117, 91.5139

22.5927, 23.0384, 48.6042

9.1503, 9.9778, 11.5231

14.2830, 19.0257, 34.1726

0.5347, 0.7330, 1.2151

Inverse Universe

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

32.0648, 22.8704, 41.7556

54.7359, 35.4212, 72.2757

33.8214, 34.3809, 17.6866

9.3222, 9.1392, 11.0441

17.8231, 8.7030, 22.7530

0.6440, 0.3131, 0.8849

Previews

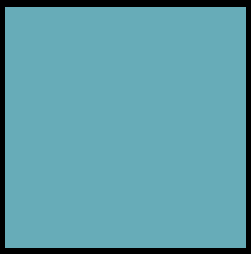
White Background

This preview shows how the XYZ color 28.9978, 35.8493, 50.7387 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



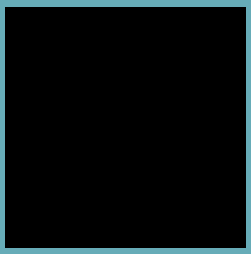
This preview shows how the XYZ color 28.9978, 35.8493, 50.7387 looks on a black background.

Color Contrast Check

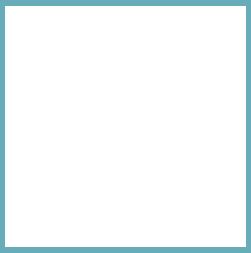
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 28.9978, 35.8493, 50.7387 Background



This preview shows how black text looks on a background with the XYZ color 28.9978, 35.8493, 50.7387.



This preview shows how white text looks on a background with the XYZ color 28.9978, 35.8493,

50.7387.

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

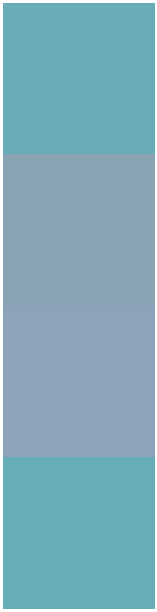
Original Color
28.9978, 35.8493, 50.7387

Protanopia
34.7054, 35.6471, 46.1257

Deuteranopia
36.3365, 35.5943, 51.9690

Tritanopia
29.2090, 35.9338, 51.8508

Trichromacy



Original Color
28.9978, 35.8493, 50.7387

Protanomaly
32.0596, 35.2946, 47.7706

Deuteranomaly
32.9386, 35.1366, 51.5004

Tritanomaly
29.1030, 35.8914, 51.2928

Monochromacy

Original Color
28.9978, 35.8493, 50.7387

Achromatopsia
30.2779, 31.8547, 34.6897

Achromatomaly
29.2633, 32.9728, 39.9440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9978, 35.8493, 50.7387 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(103, 172, 184) looks like.

```
.text, #text, p{
    color:rgb(103, 172, 184)
}
```

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(103, 172, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 172, 184) }
```

Border

The CSS property to change the border of an element to XYZ 28.9978, 35.8493, 50.7387 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(103, 172, 184) }
```

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

```
.border{ border-color:rgb(103, 172, 184) }
```

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

Here you see how a box with a 4 pixel rgb(103, 172, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 172, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 172, 184); box-shadow:4px 4px 4px 4px rgb(103, 172, 184) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9978, 35.8493, 50.7387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(103, 172, 184) }
```

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

```
.background{ background-color:rgb(103,
172, 184) }
```

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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