

Converting Colors

XYZ(23.5669, 28.0971, 47.9005)

Have a look what the booklet for
XYZ(23.5669, 28.0971, 47.9005)
contains.

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Color

**XYZ(23.5695, 28.0971,
47.8971)**

Conversions

Conversions Part 1

Format	Color
Hex	5699B5
RGB	86, 153, 181
RGB Percent	34%, 60%, 71%
CMY	0.6627, 0.4000, 0.2902
CMYK	0.52, 0.15, 0.00, 0.29
HSL	198°, 39%, 52%
HSV	198°, 52%, 71%
XYZ	23.5695, 28.0971, 47.8971
YIQ	136.1590, -48.9200, -5.4960

Conversions

Conversions Part 2

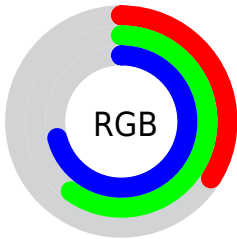
Format	Color
R _Y B	86, 125, 181
Decimal	5675445
CIE Lab	59.98, -13.36, -21.11
CIE LCh	60, 24.982, 237.682
Yxy	28.0971, 0.2367, 0.2822
Android (android.graphics.Color)	4283865525 (0xFF5699B5)
YUV	136.1590, 22.1066, -43.9894
Hunter-Lab	53.0067, -13.3915, -16.4700

Details

The XYZ color **23.5695, 28.0971, 47.8971** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **26.7539, 22.5312, 11.7440**, and the grayscale version is **23.3951, 24.6134, 26.8040**.

A 20% lighter version of the original color is **48.7542, 56.4909, 88.4550**, and **9.0010, 11.2434, 22.1179** is the 20% darker color. If you saturate the color by 10%, you get **21.2557, 25.6375, 47.5448**, and if you desaturate by 10%, it is **26.3461, 30.8545, 48.2835**.

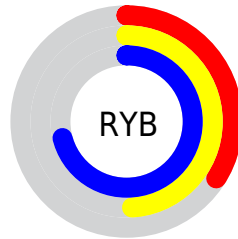
Distribution



Red (34%)

Green (60%)

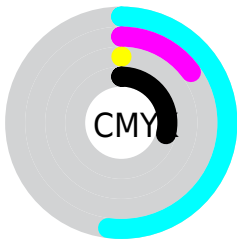
Blue (71%)



Red (34%)

Yellow (49%)

Blue (71%)

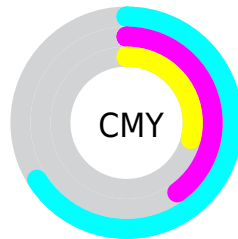


Cyan (52%)

Magenta (15%)

Yellow (0%)

Black (29%)



Cyan (66%)

Magenta (40%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5695, 28.0971, 47.8971 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 23.5695, 28.0971, 47.8971 by changing the saturation by 10% instead.

■ 23.5695, 28.0971,
47.8971

■ 23.5695, 28.0971,
47.8971

263.1178,
292.9306, 394.8811

■ 15.1376, 18.3989,
33.3860

■ 48.7866, 56.6394,
88.4151

■ 9.0029, 11.2367,
22.1488

■ 66.3024, 76.2523,
115.2591

■ 4.8002, 6.2263,
13.7669

■ 87.5770, 99.9389,
147.0512

■ 2.1641, 2.9832,
7.8218

■ 112.9756,
128.0835, 184.2098

■ 0.7237, 1.1230,
3.8950

142.8637,
161.0706, 227.1536

■ 0.0000, 0.0000,
1.5679

177.6065,

■ 0.0000, 0.0000,

199.2846, 276.3010

0.2678

217.5694,
243.1098, 332.0707

■ 0.0000, 0.0000,
0.0000

■ 23.5695, 28.0971,
47.8971

■ 23.5695, 28.0971,
47.8971

■ 21.2557, 25.6375,
47.5448

■ 26.3461, 30.8545,
48.2835

■ 19.3690, 23.4546,
47.2229

■ 29.6125, 33.9224,
48.7035

■ 17.8725, 21.5294,
46.9302

■ 33.3965, 37.3166,
49.1592

■ 16.7213, 19.8379,
46.6644

■ 37.7230, 41.0506,
49.6519

■ 16.0147, 18.6844,
46.4790

■ 42.6155, 45.1372,
50.1828

■ 48.0956, 49.5882,
50.7532

■ 54.1841, 54.4151,
51.3639

■ 60.9007, 59.6285,
52.0162

■ 68.2640, 65.2388,
52.7110

Harmonies

Analogous

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



21.6507, 28.0971, 39.4662



23.5695, 28.0971, 47.8971



26.4590, 28.0971, 51.6264

Triad

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



23.5695, 28.0971, 47.8971



33.2894, 28.0971, 31.3063



23.9656, 28.0971, 17.5634

Complementary

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



23.5695, 28.0971, 47.8971



26.7539, 22.5312, 11.7440

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.



26.9534, 28.0971, 16.2249



23.5695, 28.0971, 47.8971



32.4914, 28.0971, 23.1606

Square

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



23.5695, 28.0971, 47.8971



32.2105, 28.0971, 40.9370



30.1079, 28.0971, 18.0569



21.8663, 28.0971, 22.1570

Rectangle

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



23.5695, 28.0971, 47.8971



28.6051, 28.0971, 50.4831



30.1079, 28.0971, 18.0569



24.8918, 28.0971, 16.7631

Sweetspot

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



23.5704, 28.0982, 47.8978



64.5117, 70.9167, 88.5828



23.3384, 36.2173, 21.3599



13.6044, 15.0353, 19.1073



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.



23.5704, 28.0982, 47.8978



37.4890, 45.2704, 85.0568



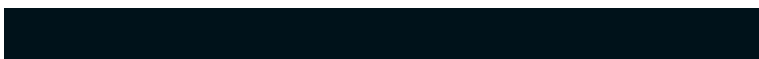
17.3935, 15.7444, 45.8388



8.5269, 9.2001, 10.8327



11.1024, 13.0052, 32.0621



0.3970, 0.5045, 1.0247

Inverse Universe

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



28.1344, 18.7802, 32.2801



46.9295, 28.1418, 52.2712



33.3797, 35.7828, 13.9526



8.7412, 8.6032, 10.1354



15.8386, 7.8530, 14.8421



0.5224, 0.2567, 0.5936

Previews

White Background



This preview shows how the XYZ color 23.5695, 28.0971, 47.8971 looks on a white background.

Color Contrast Check

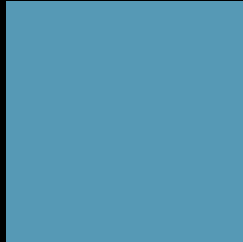
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5695, 28.0971, 47.8971 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 × Fail

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

XYZ 23.5695, 28.0971, 47.8971

Background



This preview shows how black text looks on a background with the XYZ color 23.5695, 28.0971, 47.8971.

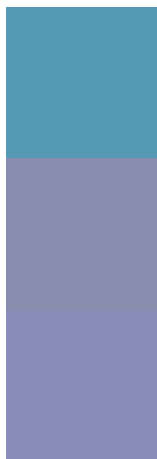


This preview shows how white text looks on a background with the XYZ color 23.5695, 28.0971,

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

23.5695, 28.0971, 47.8971

Protanopia

27.6295, 27.7204, 43.9387

Deuteranopia

28.4931, 27.8288, 49.2171



Tritanopia

22.1826, 28.0192, 41.2849

Trichromacy



Original Color

23.5695, 28.0971, 47.8971

Protanomaly

25.6859, 27.5836, 45.5654

Deuteranomaly

26.1439, 27.5212, 48.7339

Tritanomaly

22.6657, 27.9673, 43.7388

Monochromacy



Original Color

23.5695, 28.0971, 47.8971

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.8117, 25.4646, 33.4186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5695, 28.0971, 47.8971 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(86, 153, 181)` looks like.

```
.text, #text, p{  
    color:rgb(86, 153, 181)  
}
```

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(86, 153, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 153, 181) }
```

Border

The CSS property to change the border of an element to XYZ 23.5695, 28.0971, 47.8971 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(86, 153, 181) }
```


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

```
.border{ border-color:rgb(86, 153, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 153, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 153, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 153, 181);  
box-shadow:4px 4px 4px 4px rgb(86, 153,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5695, 28.0971, 47.8971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 153, 181) }
```

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

```
.background{ background-color: rgb(86, 153,  
181) }
```

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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