

Converting Colors

XYZ(23.7730, 27.9829, 34.7230)

Have a look what the booklet for
XYZ(23.7730, 27.9829, 34.7230)
contains.

XYZ(23.8388, 28.0437, 34.7284)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.8388, 28.0437,
34.7284)**

Conversions

Conversions Part 1

Format	Color
Hex	72979A
RGB	114, 151, 154
RGB Percent	45%, 59%, 60%
CMY	0.5529, 0.4078, 0.3961
CMYK	0.26, 0.02, 0.00, 0.40
HSL	184°, 17%, 53%
HSV	184°, 26%, 60%
XYZ	23.8388, 28.0437, 34.7284
YIQ	140.2790, -23.0150, -6.9110

Conversions

Conversions Part 2

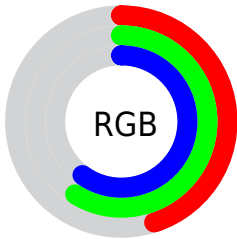
Format	Color
RYB	114, 133, 154
Decimal	7509914
CIELab	59.93, -11.96, -5.74
CIELCh	60, 13.262, 205.636
Yxy	28.0437, 0.2752, 0.3238
Android (android.graphics.Color)	4285699994 (0xFF72979A)
YUV	140.2790, 6.7645, -23.0467
Hunter-Lab	52.9563, -12.3200, -1.8126

Details

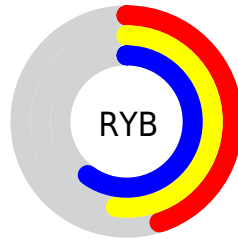
The XYZ color **23.8388, 28.0437, 34.7284** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.7254, 20.8078, 18.7388**, and the grayscale version is **25.0173, 26.3202, 28.6627**.

A 20% lighter version of the original color is **49.1528, 56.4322, 67.9764**, and **9.1197, 11.1836, 14.5100** is the 20% darker color. If you saturate the color by 10%, you get **21.8172, 26.7278, 34.5814**, and if you desaturate by 10%, it is **26.2011, 29.5394, 34.8931**.

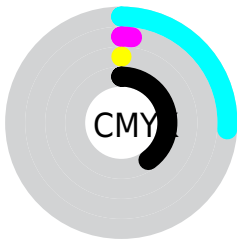
Distribution



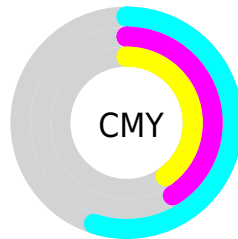
- Red (45%)
- Green (59%)
- Blue (60%)



- Red (45%)
- Yellow (52%)
- Blue (60%)



- Cyan (26%)
- Magenta (2%)
- Yellow (0%)
- Black (40%)



- Cyan (55%)
- Magenta (41%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8388, 28.0437, 34.7284 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 23.8388, 28.0437, 34.7284 by changing the saturation by 10% instead.

■ 23.8388, 28.0437,
34.7284

■ 23.8388, 28.0437,
34.7284

264.4601,
292.6757, 338.2356

■ 15.3382, 18.3586,
23.1719

■ 49.2236, 56.5542,
68.2116

■ 9.1449, 11.2078,
14.5140

■ 66.8385, 76.1484,
90.9753

■ 4.8937, 6.2068,
8.3362

■ 88.2222, 99.8144,
118.3119

■ 2.2191, 2.9712,
4.2200

■ 113.7400,
127.9367, 150.6398

■ 0.7528, 1.1167,
1.7468

143.7574,
160.8995, 188.3775

■ 0.0000, 0.0000,
0.3925

178.6396,

■ 0.0000, 0.0000,

199.0874, 231.9438

0.0000

218.7521,
242.8846, 281.7569

■ 23.8388, 28.0437,
34.7284

■ 23.8388, 28.0437,
34.7284

■ 21.8172, 26.7278,
34.5814

■ 26.2011, 29.5394,
34.8931

■ 20.1171, 25.5796,
34.4494

■ 28.9174, 31.2195,
35.0742

■ 18.7208, 24.5907,
34.3321

■ 32.0032, 33.0929,
35.2731

■ 17.6082, 23.7507,
34.2286

■ 35.4725, 35.1667,
35.4906

■ 16.7566, 23.0480,
34.1379

■ 39.3383, 37.4476,
35.7271

■ 16.1399, 22.4690,
34.0586

■ 43.6132, 39.9422,
35.9833

■ 15.7213, 21.9948,
33.9891

■ 48.3092, 42.6566,
36.2597

■ 15.5740, 21.8156,
33.9623

■ 53.4378, 45.5968,
36.5569

■ 59.0100, 48.7684,
36.8754

Harmonies

Analogous

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



23.5526, 28.0437, 29.8341



23.8388, 28.0437, 34.7284



24.8672, 28.0437, 38.8536

Triad

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



23.8388, 28.0437, 34.7284



29.4199, 28.0437, 36.0781



26.9020, 28.0437, 22.1849

Complementary

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



23.8388, 28.0437, 34.7284



22.7254, 20.8078, 18.7388

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.



28.5258, 28.0437, 23.4972



23.8388, 28.0437, 34.7284



30.0179, 28.0437, 31.2464

Square

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



23.8388, 28.0437, 34.7284



28.0813, 28.0437, 39.6887



29.6840, 28.0437, 26.6932



25.2772, 28.0437, 22.9092

Rectangle

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



23.8388, 28.0437, 34.7284



25.8589, 28.0437, 40.4358



29.6840, 28.0437, 26.6932



27.4666, 28.0437, 22.3983

Sweetspot

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



23.8396, 28.0448, 34.7290



51.3943, 56.0149, 63.6395



21.6870, 27.9657, 20.9826



11.4685, 12.5775, 14.3936



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.8396, 28.0448, 34.7290



41.1570, 49.5549, 62.9321



20.9339, 22.2335, 33.7605



6.3450, 6.9473, 7.9355



12.6998, 17.7963, 27.6734



0.2000, 0.2864, 0.4171

Inverse Universe

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



24.9304, 21.1397, 32.0458



43.4928, 34.9660, 57.1414



25.2626, 25.8822, 19.5846



6.4412, 6.3157, 7.7037



14.8690, 7.2018, 21.6331



0.2274, 0.1097, 0.3505

Previews

White Background



This preview shows how the XYZ color 23.8388, 28.0437, 34.7284 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 23.8388, 28.0437, 34.7284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

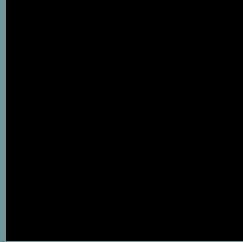
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

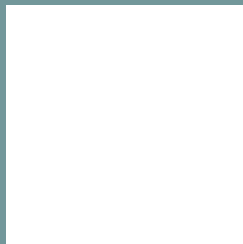
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8388, 28.0437, 34.7284

Background



This preview shows how black text looks on a background with the XYZ color 23.8388, 28.0437, 34.7284.

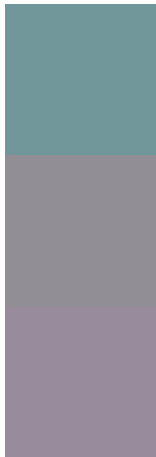


This preview shows how white text looks on a background with the XYZ color 23.8388, 28.0437,

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

23.8388, 28.0437, 34.7284

Protanopia

26.9243, 27.8346, 32.3873

Deuteranopia

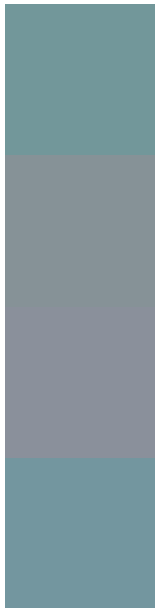
28.3277, 27.8319, 35.3315



Tritanopia

24.6304, 28.1343, 38.3147

Trichromacy



Original Color

23.8388, 28.0437, 34.7284

Protanomaly

25.6963, 27.8605, 33.3014

Deuteranomaly

26.3709, 27.7163, 34.9702

Tritanomaly

24.2346, 27.9607, 36.9206

Monochromacy



Original Color

23.8388, 28.0437, 34.7284

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.4442, 26.8161, 30.6758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8388, 28.0437, 34.7284 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(114, 151, 154)` looks like.

```
.text, #text, p{  
    color:rgb(114, 151, 154)  
}
```

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(114, 151, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 151, 154) }
```

Border

The CSS property to change the border of an element to XYZ 23.8388, 28.0437, 34.7284 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(114, 151, 154) }
```


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

```
.border{ border-color:rgb(114, 151, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 151, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 151, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 151, 154);  
box-shadow:4px 4px 4px 4px rgb(114, 151,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8388, 28.0437, 34.7284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 151, 154) }
```

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

```
.background{ background-color: rgb(114,  
151, 154) }
```

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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