

Converting Colors

XYZ(23.2416, 23.7206, 34.6304)

Have a look what the booklet for
XYZ(23.2416, 23.7206, 34.6304)
contains.

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Color

**XYZ(23.2904, 23.7646,
34.8120)**

Conversions

Conversions Part 1

Format	Color
Hex	80859C
RGB	128, 133, 156
RGB Percent	50%, 52%, 61%
CMY	0.4980, 0.4784, 0.3882
CMYK	0.18, 0.15, 0.00, 0.39
HSL	229°, 12%, 56%
HSV	229°, 18%, 61%
XYZ	23.2904, 23.7646, 34.8120
YIQ	134.1270, -10.3630, 6.0930

Conversions

Conversions Part 2

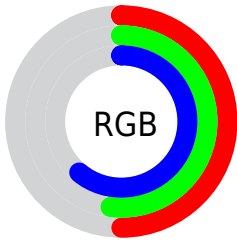
Format	Color
R_{YB}	128, 132, 156
Decimal	8422812
CIE _{Lab}	55.85, 3.18, -12.88
CIE _{LCh}	56, 13.263, 283.871
Yxy	23.7646, 0.2845, 0.2903
Android (android.graphics.Color)	4286612892 (0xFF80859C)
YUV	134.1270, 10.7834, -5.3734
Hunter-Lab	48.7489, -0.0301, -8.2152

Details

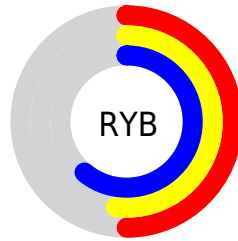
The XYZ color **23.2904, 23.7646, 34.8120** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.6734, 30.7596, 24.8486**, and the grayscale version is **22.6716, 23.8523, 25.9752**.

A 20% lighter version of the original color is **48.3728, 49.6447, 68.6609**, and **8.8620, 8.9803, 14.6309** is the 20% darker color. If you saturate the color by 10%, you get **19.4734, 19.3501, 34.1615**, and if you desaturate by 10%, it is **27.6836, 28.7951, 35.5518**.

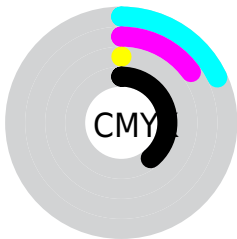
Distribution



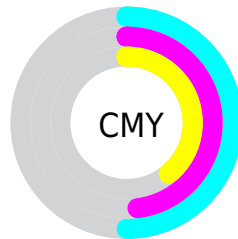
- Red (50%)
- Green (52%)
- Blue (61%)



- Red (50%)
- Yellow (52%)
- Blue (61%)



- Cyan (18%)
- Magenta (15%)
- Yellow (0%)
- Black (39%)



- Cyan (50%)
- Magenta (48%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2904, 23.7646, 34.8120 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 23.2904, 23.7646, 34.8120 by changing the saturation by 10% instead.

■ 23.2904, 23.7646,
34.8120

■ 23.2904, 23.7646,
34.8120

261.7206,
271.6282, 338.6167

■ 14.9300, 15.1591,
23.2357

■ 48.3329, 49.6458,
68.3427

■ 8.8562, 8.9311,
14.5607

■ 65.7456, 67.6903,
91.1342

■ 4.7039, 4.6963,
8.3685

■ 86.9065, 89.6498,
118.5011

■ 2.1075, 2.0702,
4.2405

112.1809,
115.9089, 150.8620

■ 0.6933, 0.6478,
1.7582

141.9342,
146.8519, 188.6355

■ 0.0000, 0.0000,
0.4002

176.5316,

■ 0.0000, 0.0000,

182.8632, 232.2401

0.0000

216.3387,
224.3272, 282.0944

■ 23.2904, 23.7646,
34.8120

■ 23.2904, 23.7646,
34.8120

■ 19.4734, 19.3501,
34.1615

■ 27.6836, 28.7951,
35.5518

■ 16.2065, 15.5248,
33.5953

■ 32.6736, 34.4611,
36.3825

■ 13.4644, 12.2644,
33.1105

■ 38.2824, 40.7851,
37.3075

■ 11.2192, 9.5416,
32.7033

■ 44.5305, 47.7872,
38.3297

■ 9.4405, 7.3268,
32.3695

■ 51.4373, 55.4870,
39.4519

■ 8.0939, 5.5875,
32.1048

■ 59.0213, 63.9031,
40.6767

■ 7.1407, 4.2871,
31.9040

■ 67.3004, 73.0535,
42.0065

■ 6.5178, 3.3748,
31.7608

■ 76.2917, 82.9555,
43.4439

■ 6.4129, 3.2245,
31.7373

■ 80.9080, 90.9947,
44.7523

Harmonies

Analogous

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



21.7909, 23.7646, 34.7088



23.2904, 23.7646, 34.8120



24.6590, 23.7646, 32.3414

Triad

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



23.2904, 23.7646, 34.8120



24.7448, 23.7646, 20.5326



19.9129, 23.7646, 23.6348

Complementary

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



23.2904, 23.7646, 34.8120



28.6734, 30.7596, 24.8486

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.



20.6355, 23.7646, 20.3347



23.2904, 23.7646, 34.8120



23.4034, 23.7646, 18.6847

Square

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



23.2904, 23.7646, 34.8120



25.5236, 23.7646, 23.9339



21.8990, 23.7646, 18.6166



19.8857, 23.7646, 27.9196

Rectangle

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



23.2904, 23.7646, 34.8120



25.2944, 23.7646, 29.7111



21.8990, 23.7646, 18.6166



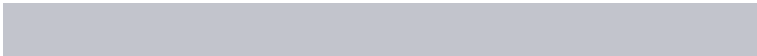
20.0810, 23.7646, 22.3853

Sweetspot

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



23.2911, 23.7656, 34.8125



52.7507, 55.1121, 64.9842



26.3661, 30.5966, 33.7380



11.4817, 11.9840, 14.2784



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.



23.2911, 23.7656, 34.8125



39.0648, 39.4304, 62.6786



24.0151, 23.1463, 34.6548



6.3758, 6.6174, 8.3479



5.3014, 2.6943, 26.1479



0.1180, 0.0947, 0.4753

Inverse Universe

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



25.6637, 24.2003, 25.5100



44.3083, 40.4700, 42.1018



27.8418, 31.5513, 25.0452



6.6790, 6.6645, 7.1610



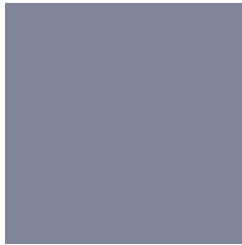
11.4741, 5.8942, 1.4817



0.2169, 0.1101, 0.0883

Previews

White Background



This preview shows how the XYZ color 23.2904, 23.7646, 34.8120 looks on a white background.

Color Contrast Check

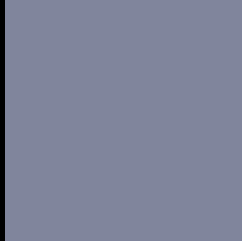
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2904, 23.7646, 34.8120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

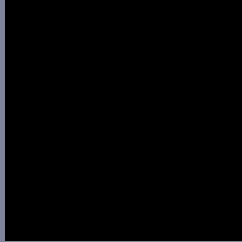
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2904, 23.7646, 34.8120

Background



This preview shows how black text looks on a background with the XYZ color 23.2904, 23.7646, 34.8120.



This preview shows how white text looks on a background with the XYZ color 23.2904, 23.7646,

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

23.2904, 23.7646, 34.8120

Protanopia

23.4415, 23.8425, 34.8190

Deuteranopia

24.3554, 23.9012, 35.2280



Tritanopia

22.3790, 23.8079, 30.2039

Trichromacy



Original Color

23.2904, 23.7646, 34.8120

Protanomaly

23.4415, 23.8425, 34.8190

Deuteranomaly

24.0099, 23.9234, 35.2505

Tritanomaly

22.7023, 23.7321, 31.8180

Monochromacy



Original Color

23.2904, 23.7646, 34.8120

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.9233, 23.9087, 28.9978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2904, 23.7646, 34.8120 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(128, 133, 156)` looks like.

```
.text, #text, p{  
    color:rgb(128, 133, 156)  
}
```

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(128, 133, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 133, 156) }
```

Border

The CSS property to change the border of an element to XYZ 23.2904, 23.7646, 34.8120 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(128, 133, 156) }
```


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

```
.border{ border-color:rgb(128, 133, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 133, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 133, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 133, 156);  
box-shadow:4px 4px 4px 4px rgb(128, 133,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2904, 23.7646, 34.8120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 133, 156) }
```

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

```
.background{ background-color: rgb(128,  
133, 156) }
```

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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