

Converting Colors

XYZ(23.9918, 34.9744, 38.7440)

Have a look what the booklet for
XYZ(23.9918, 34.9744, 38.7440)
contains.

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Color

**XYZ(23.9918, 34.9744,
38.7440)**

Conversions

Conversions Part 1

Format	Color
Hex	3DB1A0
RGB	61, 177, 160
RGB Percent	24%, 69%, 63%
CMY	0.7608, 0.3059, 0.3725
CMYK	0.66, 0.00, 0.10, 0.31
HSL	171°, 49%, 47%
HSV	171°, 66%, 69%
XYZ	23.9918, 34.9744, 38.7440
YIQ	140.3780, -63.6790, -29.8790

Conversions

Conversions Part 2

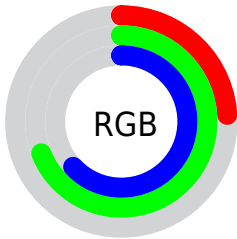
Format	Color
RYB	61, 124, 177
Decimal	4043168
CIELab	65.73, -36.29, -0.81
CIELCh	66, 36.295, 181.283
Yxy	34.9744, 0.2455, 0.3579
Android (android.graphics.Color)	4282233248 (0xFF3DB1A0)
YUV	140.3780, 9.6736, -69.6145
Hunter-Lab	59.1392, -31.0790, 2.5546

Details

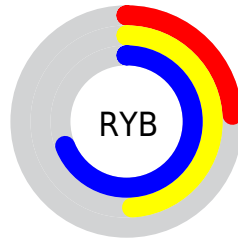
The XYZ color **23.9918, 34.9744, 38.7440** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **21.1766, 13.2357, 8.6477**, and the grayscale version is **25.0567, 26.3616, 28.7078**.

A 20% lighter version of the original color is **49.4307, 67.3217, 74.6791**, and **9.9680, 15.5194, 16.9382** is the 20% darker color. If you saturate the color by 10%, you get **22.8524, 34.4138, 37.5190**, and if you desaturate by 10%, it is **25.4974, 35.7249, 40.0125**.

Distribution



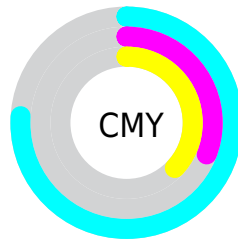
- Red (24%)
- Green (69%)
- Blue (63%)



- Red (24%)
- Yellow (49%)
- Blue (69%)



- Cyan (66%)
- Magenta (0%)
- Yellow (10%)
- Black (31%)





- Cyan (76%)
- Magenta (31%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9918, 34.9744, 38.7440 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 23.9918, 34.9744, 38.7440 by changing the saturation by 10% instead.


 23.9918, 34.9744,
38.7440

 23.9918, 34.9744,
38.7440


265.2203,
324.4553, 356.1943


 15.4522, 23.6432,
26.2543


 49.4716, 67.4461,
74.4631


 9.2258, 15.0691,
16.7865


 67.1425, 89.3554,
98.5296


 4.9470, 8.8679,
9.9221


 88.5880, 115.5594,
127.2922

 2.2506, 4.6551,
5.2424

 114.1733,
146.4426, 161.1693

 0.7692, 2.0464,
2.3290

 144.2638,
182.3894, 200.5795

 0.0000, 0.6342,
0.7474

179.2249,

 0.0000, 0.0000,

223.7842, 245.9414

0.0000

219.4220,
271.0114, 297.6735

■ 23.9918, 34.9744,
38.7440

■ 23.9918, 34.9744,
38.7440

■ 22.8524, 34.4138,
37.5190

■ 25.4974, 35.7249,
40.0125

■ 22.0394, 34.0201,
36.3330

■ 27.3983, 36.6778,
41.3235

■ 21.5071, 33.7705,
35.1846

■ 29.7238, 37.8490,
42.6795

■ 21.3135, 33.6817,
34.6816

■ 32.4998, 39.2520,
44.0817

■ 35.7501, 40.8988,
45.5314

■ 39.4966, 42.8010,
47.0298

■ 43.7602, 44.9690,
48.5779

■ 48.5601, 47.4131,
50.1769

■ 53.9151, 50.1427,
51.8278

Harmonies

Analogous

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



25.0209, 34.9744, 25.6203



23.9918, 34.9744, 38.7440



25.2118, 34.9744, 55.4958

Triad

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



23.9918, 34.9744, 38.7440



38.8679, 34.9744, 69.1704



38.4273, 34.9744, 17.6652

Complementary

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



23.9918, 34.9744, 38.7440



21.1766, 13.2357, 8.6477

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.



42.8187, 34.9744, 24.7538



23.9918, 34.9744, 38.7440



43.0917, 34.9744, 54.0415

Square

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



23.9918, 34.9744, 38.7440



33.4728, 34.9744, 75.7251



44.6085, 34.9744, 37.4260



33.0125, 34.9744, 15.5880

Rectangle

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



23.9918, 34.9744, 38.7440



27.2209, 34.9744, 65.9637



44.6085, 34.9744, 37.4260



40.0916, 34.9744, 19.4268

Sweetspot

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



23.9928, 34.9758, 38.7448



61.1180, 71.7722, 80.2836



19.7404, 33.4192, 9.8259



12.9059, 15.3823, 17.2452



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.9928, 34.9758, 38.7448



40.1568, 61.2572, 66.1615



18.7221, 21.8890, 44.8346



8.6880, 9.6097, 10.6169



15.4592, 24.4097, 25.2189



0.5010, 0.7738, 0.8701

Inverse Universe

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



21.1766, 13.2357, 8.6477



34.7999, 19.3751, 8.5207



23.6872, 19.1097, 6.8558



8.5454, 8.5249, 9.1047



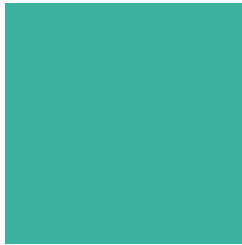
13.2858, 6.8319, 1.3992



0.4338, 0.2213, 0.1272

Previews

White Background



This preview shows how the XYZ color 23.9918, 34.9744, 38.7440 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 23.9918, 34.9744, 38.7440 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

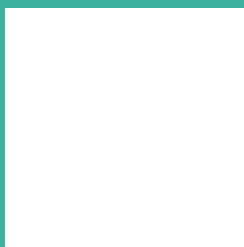
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.9918, 34.9744, 38.7440

Background



This preview shows how black text looks on a background with the XYZ color 23.9918, 34.9744, 38.7440.

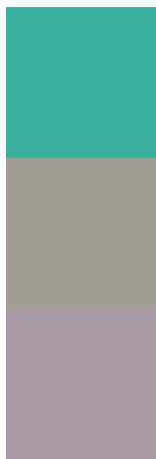


This preview shows how white text looks on a background with the XYZ color 23.9918, 34.9744,

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

23.9918, 34.9744, 38.7440

Protanopia

32.7559, 34.4102, 33.3492

Deuteranopia

35.1417, 34.4857, 40.4016



Tritanopia

26.6609, 34.8915, 52.3433

Trichromacy



Original Color

23.9918, 34.9744, 38.7440



Protanomaly

27.8091, 33.6458, 35.1656



Deuteranomaly

28.8913, 33.3103, 39.5571



Tritanomaly

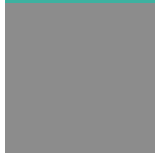
25.5261, 34.7116, 46.9496

Monochromacy



Original Color

23.9918, 34.9744, 38.7440



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.2132, 28.2686, 31.8367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9918, 34.9744, 38.7440 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(61, 177, 160)` looks like.

```
.text, #text, p{  
    color:rgb(61, 177, 160)  
}
```

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(61, 177, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 177, 160) }
```

Border

The CSS property to change the border of an element to XYZ 23.9918, 34.9744, 38.7440 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(61, 177, 160) }
```


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

```
.border{ border-color:rgb(61, 177, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 177, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 177, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 177, 160);  
box-shadow:4px 4px 4px 4px rgb(61, 177,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9918, 34.9744, 38.7440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 177, 160) }
```

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

```
.background{ background-color: rgb(61, 177,  
160) }
```

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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