

Converting Colors

XYZ(23.7476, 30.6587, 39.3164)

Have a look what the booklet for
XYZ(23.7476, 30.6587, 39.3164)
contains.

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Color

**XYZ(23.7476, 30.6587,
39.3164)**

Conversions

Conversions Part 1

Format	Color
Hex	5AA2A3
RGB	90, 162, 163
RGB Percent	35%, 64%, 64%
CMY	0.6470, 0.3647, 0.3608
CMYK	0.45, 0.01, 0.00, 0.36
HSL	181°, 29%, 50%
HSV	181°, 45%, 64%
XYZ	23.7476, 30.6587, 39.3164
YIQ	140.5860, -43.2330, -14.9530

Conversions

Conversions Part 2

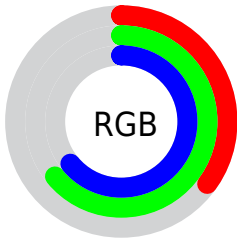
Format	Color
RYB	90, 126, 163
Decimal	5939875
CIELab	62.22, -22.23, -7.56
CIELCh	62, 23.481, 198.781
Yxy	30.6587, 0.2534, 0.3271
Android (android.graphics.Color)	4284129955 (0xFF5AA2A3)
YUV	140.5860, 11.0501, -44.3639
Hunter-Lab	55.3703, -20.3417, -3.3404

Details

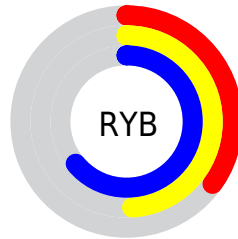
The XYZ color **23.7476, 30.6587, 39.3164** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.6912, 16.0071, 11.6726**, and the grayscale version is **25.1265, 26.4350, 28.7878**.

A 20% lighter version of the original color is **49.1448, 60.7074, 75.4572**, and **9.0724, 12.6229, 16.9972** is the 20% darker color. If you saturate the color by 10%, you get **22.2938, 29.8517, 39.2378**, and if you desaturate by 10%, it is **25.5510, 31.6474, 39.4127**.

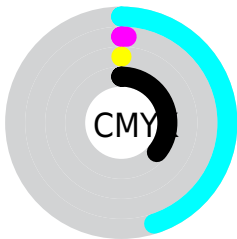
Distribution



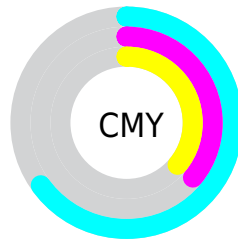
- Red (35%)
- Green (64%)
- Blue (64%)



- Red (35%)
- Yellow (49%)
- Blue (64%)



- Cyan (45%)
- Magenta (1%)
- Yellow (0%)
- Black (36%)



- Cyan (65%)
- Magenta (36%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7476, 30.6587, 39.3164 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 23.7476, 30.6587, 39.3164 by changing the saturation by 10% instead.

■ 23.7476, 30.6587,
39.3164

■ 23.7476, 30.6587,
39.3164

264.0062,
304.9629, 358.6999

■ 15.2702, 20.3391,
26.6962

■ 49.0757, 60.7023,
75.3471

■ 9.0968, 12.6418,
17.1148

■ 66.6571, 81.1951,
99.5947

■ 4.8620, 7.1823,
10.1536

■ 88.0039, 105.8478,
128.5552

■ 2.2004, 3.5764,
5.3940

■ 113.4814,
135.0447, 162.6471

■ 0.7430, 1.4395,
2.4175

143.4551,
169.1703, 202.2890

■ 0.0000, 0.2456,
0.7959

178.2902,

■ 0.0000, 0.0000,

208.6089, 247.8994

0.0000

218.3521,
253.7450, 299.8968

■ 23.7476, 30.6587,
39.3164

■ 23.7476, 30.6587,
39.3164

■ 22.2938, 29.8517,
39.2378

■ 25.5510, 31.6474,
39.4127

■ 21.1638, 29.2111,
39.1737

■ 27.7221, 32.8251,
39.5256

■ 20.3329, 28.7247,
39.1236

■ 30.2812, 34.2029,
39.6567

■ 19.7714, 28.3773,
39.0862

■ 33.2460, 35.7900,
39.8067

■ 19.4428, 28.1501,
39.0596

■ 36.6334, 37.5950,
39.9766

■ 19.3161, 28.0547,
39.0479

■ 40.4592, 39.6261,
40.1670

■ 44.7385, 41.8911,
40.3787

■ 49.4856, 44.3974,
40.6122

■ 54.7141, 47.1520,
40.8683

Harmonies

Analogous

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



23.5668, 30.6587, 30.1031



23.7476, 30.6587, 39.3164



25.3095, 30.6587, 48.2908

Triad

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



23.7476, 30.6587, 39.3164



33.9640, 30.6587, 46.2407



30.3409, 30.6587, 19.0332

Complementary

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



23.7476, 30.6587, 39.3164



20.6912, 16.0071, 11.6726

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.



33.3391, 30.6587, 21.9090



23.7476, 30.6587, 39.3164



35.5296, 30.6587, 36.8910

Square

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



23.7476, 30.6587, 39.3164



31.1446, 30.6587, 52.7615



35.2929, 30.6587, 28.0772



27.2236, 30.6587, 19.4454

Rectangle

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



23.7476, 30.6587, 39.3164



26.9916, 30.6587, 52.4179



35.2929, 30.6587, 28.0772



31.3999, 30.6587, 19.6230

Sweetspot

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



23.7485, 30.6599, 39.3171



55.0015, 61.6676, 71.0603



19.1596, 29.1068, 14.2818



12.1158, 13.7229, 15.9477



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.7485, 30.6599, 39.3171



39.8758, 53.4333, 70.2681



18.3528, 19.8685, 37.5186



7.2678, 7.9946, 9.0631



15.0149, 21.8092, 30.3480



0.3179, 0.4631, 0.6385

Inverse Universe

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



25.2827, 17.7081, 36.2693



43.0023, 27.2185, 64.0171



24.4752, 23.5752, 12.9339



7.3601, 7.2005, 8.8829



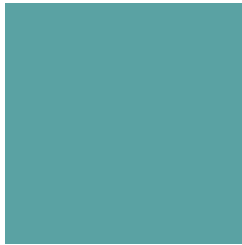
16.7243, 8.0458, 26.8024



0.3526, 0.1696, 0.5697

Previews

White Background



This preview shows how the XYZ color 23.7476, 30.6587, 39.3164 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 23.7476, 30.6587, 39.3164 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 23.7476, 30.6587, 39.3164

Background



This preview shows how black text looks on a background with the XYZ color 23.7476, 30.6587, 39.3164.

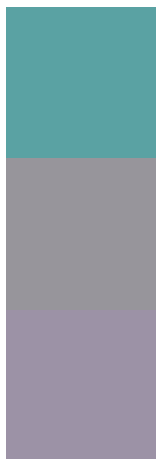


This preview shows how white text looks on a background with the XYZ color 23.7476, 30.6587,

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

23.7476, 30.6587, 39.3164

Protanopia

29.4263, 30.4408, 35.3351

Deuteranopia

30.8721, 30.3789, 40.3130



Tritanopia

24.6278, 30.4859, 44.1215

Trichromacy



Original Color

23.7476, 30.6587, 39.3164

Protanomaly

26.7804, 30.2470, 36.7745

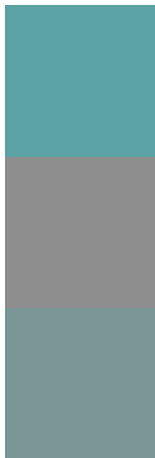
Deuteranomaly

27.5355, 30.0786, 39.9518

Tritanomaly

24.3199, 30.6296, 42.1664

Monochromacy



Original Color

23.7476, 30.6587, 39.3164

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.1983, 27.8024, 32.5248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7476, 30.6587, 39.3164 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(90, 162, 163)` looks like.

```
.text, #text, p{  
    color:rgb(90, 162, 163)  
}
```

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(90, 162, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 162, 163) }
```

Border

The CSS property to change the border of an element to XYZ 23.7476, 30.6587, 39.3164 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(90, 162, 163) }
```


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

```
.border{ border-color:rgb(90, 162, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 162, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 162, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 162, 163);  
box-shadow:4px 4px 4px 4px rgb(90, 162,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7476, 30.6587, 39.3164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 162, 163) }
```

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

```
.background{ background-color: rgb(90, 162,  
163) }
```

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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