

Converting Colors

XYZ(24.0255, 31.2044, 35.4795)

Have a look what the booklet for
XYZ(24.0255, 31.2044, 35.4795)
contains.

XYZ(23.9669, 31.1241, 35.3162)	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(23.9669, 31.1241,
35.3162)**

Conversions

Conversions Part 1

Format	Color
Hex	62A39A
RGB	98, 163, 154
RGB Percent	38%, 64%, 60%
CMY	0.6157, 0.3608, 0.3961
CMYK	0.40, 0.00, 0.06, 0.36
HSL	172°, 26%, 51%
HSV	172°, 40%, 64%
XYZ	23.9669, 31.1241, 35.3162
YIQ	142.5390, -35.8510, -16.5790

Conversions

Conversions Part 2

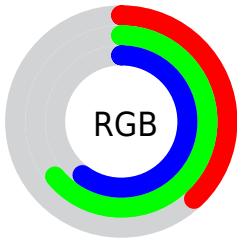
Format	Color
R_{YB}	98, 133, 163
Decimal	6464410
CIE _{Lab}	62.61, -22.96, -1.88
CIE _{LCh}	63, 23.038, 184.673
Yxy	31.1241, 0.2651, 0.3443
Android (android.graphics.Color)	4284654490 (0xFF62A39A)
YUV	142.5390, 5.6503, -39.0607
Hunter-Lab	55.7890, -20.9473, 1.5198

Details

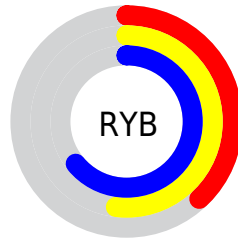
The XYZ color **23.9669, 31.1241, 35.3162** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.1268, 17.5843, 16.1389**, and the grayscale version is **25.9140, 27.2635, 29.6900**.

A 20% lighter version of the original color is **49.4055, 61.3723, 68.9166**, and **9.2148, 12.9060, 14.8374** is the 20% darker color. If you saturate the color by 10%, you get **22.1981, 30.2345, 34.2618**, and if you desaturate by 10%, it is **26.0992, 32.2022, 36.4075**.

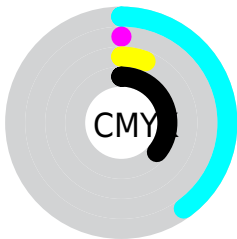
Distribution



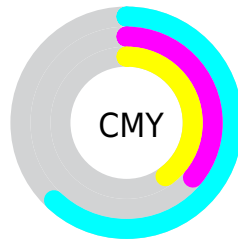
- Red (38%)
- Green (64%)
- Blue (60%)



- Red (38%)
- Yellow (52%)
- Blue (64%)



- Cyan (40%)
- Magenta (0%)
- Yellow (6%)
- Black (36%)



- Cyan (62%)
- Magenta (36%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9669, 31.1241, 35.3162 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 23.9669, 31.1241, 35.3162 by changing the saturation by 10% instead.

■ 23.9669, 31.1241,
35.3162

■ 23.9669, 31.1241,
35.3162

265.0967,
307.1096, 340.9084

■ 15.4337, 20.6934,
23.6210

■ 49.4312, 61.4354,
69.1324

■ 9.2126, 12.9000,
14.8432

■ 67.0931, 82.0848,
92.0906

■ 4.9383, 7.3598,
8.5640

■ 88.5285, 106.9091,
119.6402

■ 2.2455, 3.6881,
4.3650

■ 114.1028,
136.2929, 152.1998

■ 0.7666, 1.5007,
1.8276

144.1815,
170.6204, 190.1878

■ 0.0000, 0.2892,
0.4461

179.1298,

■ 0.0000, 0.0000,

210.2761, 234.0229

0.0000

219.3130,
255.6444, 284.1236

■ 23.9669, 31.1241,
35.3162

■ 23.9669, 31.1241,
35.3162

■ 22.1981, 30.2345,
34.2618

■ 26.0992, 32.2022,
36.4075

■ 20.7681, 29.5185,
33.2409

■ 28.6125, 33.4755,
37.5344

■ 19.6537, 28.9647,
32.2530

■ 31.5260, 34.9547,
38.6988

■ 18.8272, 28.5589,
31.2967

■ 34.8573, 36.6489,
39.9015

■ 18.2563, 28.2845,
30.3705

■ 38.6226, 38.5664,
41.1433

■ 17.8676, 28.1037,
29.4708

■ 42.8373, 40.7152,
42.4252

■ 17.8630, 28.1015,
29.4598

■ 47.5162, 43.1028,
43.7478

■ 52.6733, 45.7365,
45.1119

■ 58.3220, 48.6233,
46.5182

Harmonies

Analogous

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



24.4568, 31.1241, 27.0208



23.9669, 31.1241, 35.3162



24.8924, 31.1241, 44.7010

Triad

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



23.9669, 31.1241, 35.3162



33.1497, 31.1241, 50.1803



32.2396, 31.1241, 20.5459

Complementary

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



23.9669, 31.1241, 35.3162



22.1268, 17.5843, 16.1389

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.



34.8276, 31.1241, 24.9779



23.9669, 31.1241, 35.3162



35.3786, 31.1241, 41.8320

Square

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



23.9669, 31.1241, 35.3162



30.0768, 31.1241, 54.1950



36.0132, 31.1241, 32.5005



29.0937, 31.1241, 19.4184

Rectangle

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



23.9669, 31.1241, 35.3162



26.2288, 31.1241, 50.0333



36.0132, 31.1241, 32.5005



33.2106, 31.1241, 21.6548

Sweetspot

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



23.9678, 31.1253, 35.3169



55.1686, 61.9435, 68.8087



21.4567, 30.2499, 16.2638



12.2434, 13.8374, 15.3965



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.



23.9678, 31.1253, 35.3169



40.0385, 54.2888, 61.5415



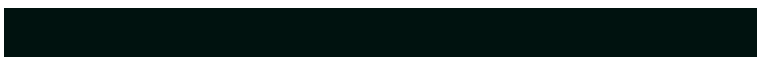
21.0634, 24.0714, 38.1878



7.2337, 7.9943, 8.8426



13.8948, 21.8443, 22.9602



0.3028, 0.4633, 0.5397

Inverse Universe

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



22.1268, 17.5843, 16.1389



36.2789, 26.5679, 22.3270



24.1169, 22.2834, 14.5859



7.1119, 7.1012, 7.5755



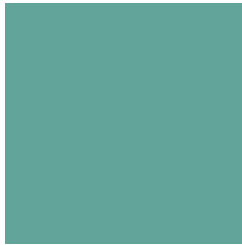
11.8662, 6.1026, 1.2203



0.2602, 0.1326, 0.0829

Previews

White Background



This preview shows how the XYZ color 23.9669, 31.1241, 35.3162 looks on a white background.

Color Contrast Check

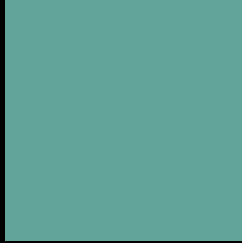
Large Text (above 18pt) WCAG AA × Fail

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 23.9669, 31.1241, 35.3162 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

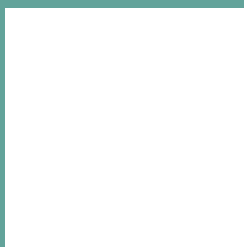
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.9669, 31.1241, 35.3162

Background



This preview shows how black text looks on a background with the XYZ color 23.9669, 31.1241, 35.3162.

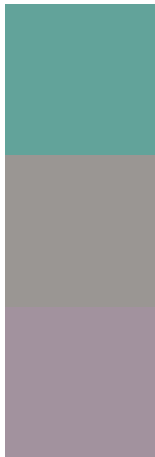


This preview shows how white text looks on a background with the XYZ color 23.9669, 31.1241,

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

23.9669, 31.1241, 35.3162

Protanopia

29.4992, 30.7893, 31.9919

Deuteranopia

31.3507, 30.7078, 36.6226



Tritanopia

25.7071, 31.0423, 44.1720

Trichromacy



Original Color

23.9669, 31.1241, 35.3162

Protanomaly

27.0579, 30.7130, 33.3563

Deuteranomaly

27.9615, 30.3798, 36.2884

Tritanomaly

24.9946, 31.0096, 40.7445

Monochromacy



Original Color

23.9669, 31.1241, 35.3162

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.9252, 28.4313, 31.7779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9669, 31.1241, 35.3162 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(98, 163, 154) looks like.

```
.text, #text, p{  
    color:rgb(98, 163, 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(98, 163, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 163, 154) }
```

Border

The CSS property to change the border of an element to XYZ 23.9669, 31.1241, 35.3162 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(98, 163, 154) }
```


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

```
.border{ border-color:rgb(98, 163, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 163, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 163, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 163, 154);  
box-shadow:4px 4px 4px 4px rgb(98, 163,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9669, 31.1241, 35.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 163, 154) }
```

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

```
.background{ background-color: rgb(98, 163,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor