

Converting Colors

XYZ(19.7419, 23.3830, 31.2631)

Have a look what the booklet for
XYZ(19.7419, 23.3830, 31.2631)
contains.

XYZ(19.7901, 23.5154, 31.0996)	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(19.7901, 23.5154,
31.0996)**

Conversions

Conversions Part 1

Format	Color
Hex	638C93
RGB	99, 140, 147
RGB Percent	39%, 55%, 58%
CMY	0.6118, 0.4510, 0.4235
CMYK	0.33, 0.05, 0.00, 0.42
HSL	189°, 20%, 48%
HSV	189°, 33%, 58%
XYZ	19.7901, 23.5154, 31.0996
YIQ	128.5390, -26.6830, -6.5150

Conversions

Conversions Part 2

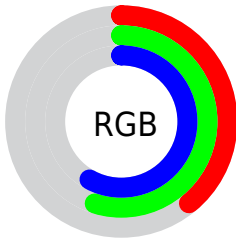
Format	Color
R_{YB}	99, 121, 147
Decimal	6524051
CIE _{Lab}	55.60, -12.27, -8.27
CIE _{LCh}	56, 14.792, 213.974
Y _{xy}	23.5154, 0.2660, 0.3160
Android (android.graphics.Color)	4284714131 (0xFF638C93)
YUV	128.5390, 9.1013, -25.9057
Hunter-Lab	48.4927, -12.0155, -4.0793

Details

The XYZ color **19.7901, 23.5154, 31.0996** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.4390, 17.4121, 14.1412**, and the grayscale version is **20.6817, 21.7587, 23.6952**.

A 20% lighter version of the original color is **42.5969, 49.3799, 62.5445**, and **7.0341, 8.8098, 12.3961** is the 20% darker color. If you saturate the color by 10%, you get **18.0181, 22.1421, 30.9283**, and if you desaturate by 10%, it is **21.8620, 25.0535, 31.2877**.

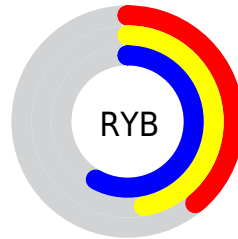
Distribution



Red (39%)

Green (55%)

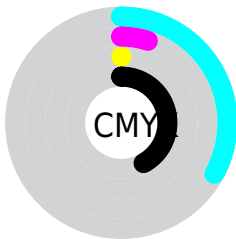
Blue (58%)



Red (39%)

Yellow (47%)

Blue (58%)

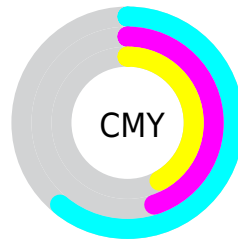


Cyan (33%)

Magenta (5%)

Yellow (0%)

Black (42%)



Cyan (61%)

Magenta (45%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7901, 23.5154, 31.0996 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 19.7901, 23.5154, 31.0996 by changing the saturation by 10% instead.

■ 19.7901, 23.5154,
31.0996

■ 19.7901, 23.5154,
31.0996

243.6318,
270.3613, 321.3623

■ 12.3499, 14.9745,
20.4156

■ 42.5716, 49.2382,
62.4783

■ 7.0564, 8.8015,
12.5104

■ 58.6437, 67.1890,
84.0100

■ 3.5440, 4.6119,
6.9656

■ 78.3238, 89.0452,
109.9947

■ 1.4476, 2.0214,
3.3625

■ 101.9772,
115.1912, 140.8510

■ 0.2897, 0.6199,
1.2826

129.9694,
146.0114, 176.9974

■ 0.0000, 0.0000,
0.0474

162.6656,

■ 0.0000, 0.0000,

181.8902, 218.8524

0.0000

200.4313,
223.2120, 266.8345

■ 19.7901, 23.5154,
31.0996

■ 19.7901, 23.5154,
31.0996

■ 18.0181, 22.1421,
30.9283

■ 21.8620, 25.0535,
31.2877

■ 16.5279, 20.9224,
30.7714

■ 24.2463, 26.7613,
31.4916

■ 15.3029, 19.8485,
30.6287

■ 26.9576, 28.6467,
31.7127

■ 14.3236, 18.9101,
30.4992

■ 30.0086, 30.7165,
31.9514

■ 13.5680, 18.0958,
30.3819

■ 33.4117, 32.9770,
32.2083

■ 13.0098, 17.3922,
30.2755

■ 37.1783, 35.4343,
32.4841

■ 12.6723, 16.9182,
30.2018

■ 41.3195, 38.0940,
32.7792

■ 45.8459, 40.9617,
33.0942

■ 50.7677, 44.0427,
33.4295

Harmonies

Analogous

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



19.2955, 23.5154, 26.2474



19.7901, 23.5154, 31.0996



20.9700, 23.5154, 34.7973

Triad

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



19.7901, 23.5154, 31.0996



25.3647, 23.5154, 29.8588



22.1287, 23.5154, 17.4764

Complementary

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



19.7901, 23.5154, 31.0996



19.4390, 17.4121, 14.1412

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.



23.7907, 23.5154, 18.1923



19.7901, 23.5154, 31.0996



25.7124, 23.5154, 24.9717

Square

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



19.7901, 23.5154, 31.0996



24.1951, 23.5154, 34.0205



25.1231, 23.5154, 20.7977



20.6025, 23.5154, 18.7049

Rectangle

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



19.7901, 23.5154, 31.0996



22.0150, 23.5154, 35.8912



25.1231, 23.5154, 20.7977



22.6898, 23.5154, 17.4986

Sweetspot

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



19.7908, 23.5163, 31.1001



44.5542, 48.7214, 56.4905



18.1501, 24.5487, 17.2549



10.0347, 11.0266, 12.8843



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.7908, 23.5163, 31.1001



33.1195, 40.3255, 55.4726



16.7273, 17.3893, 30.0790



5.8928, 6.4196, 7.3983



11.0000, 14.6947, 26.1876



0.1505, 0.2115, 0.3258

Inverse Universe

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



21.2286, 17.0207, 26.9785



36.1473, 27.0635, 46.6994



22.1882, 22.9104, 15.0575



5.9993, 5.8948, 7.1027



13.6794, 6.6768, 17.5903



0.1754, 0.0849, 0.2573

Previews

White Background



This preview shows how the XYZ color 19.7901, 23.5154, 31.0996 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 19.7901, 23.5154, 31.0996 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

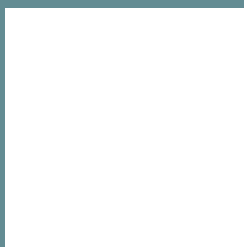
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7901, 23.5154, 31.0996

Background



This preview shows how black text looks on a background with the XYZ color 19.7901, 23.5154, 31.0996.



This preview shows how white text looks on a background with the XYZ color 19.7901, 23.5154,

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

19.7901, 23.5154, 31.0996

Protanopia

22.6495, 23.3611, 28.9066

Deuteranopia

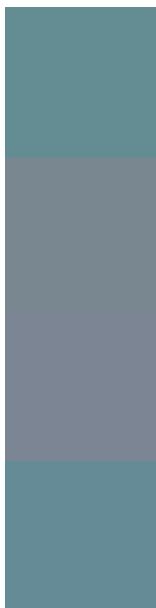
23.7563, 23.2737, 31.6740



Tritanopia

20.0741, 23.4089, 32.7385

Trichromacy



Original Color

19.7901, 23.5154, 31.0996

Protanomaly

21.4437, 23.3346, 29.7594

Deuteranomaly

22.0450, 23.1983, 31.3328

Tritanomaly

19.9932, 23.3766, 32.3125

Monochromacy



Original Color

19.7901, 23.5154, 31.0996

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.3027, 22.4042, 26.5469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7901, 23.5154, 31.0996 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(99, 140, 147) looks like.

```
.text, #text, p{  
    color:rgb(99, 140, 147)  
}
```

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(99, 140, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 140, 147) }
```

Border

The CSS property to change the border of an element to XYZ 19.7901, 23.5154, 31.0996 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(99, 140, 147) }
```


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

```
.border{ border-color:rgb(99, 140, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 140, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 140, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 140, 147);  
box-shadow:4px 4px 4px 4px rgb(99, 140,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7901, 23.5154, 31.0996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 140, 147) }
```

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

```
.background{ background-color: rgb(99, 140,  
147) }
```

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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