

Converting Colors

XYZ(1.0702, 1.6198, 4.9228)

Have a look what the booklet for
XYZ(1.0702, 1.6198, 4.9228)
contains.

XYZ(1.6901, 1.9448, 4.9889)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

XYZ(1.6901, 1.9448, 4.9889)

Conversions

Conversions Part 1

Format	Color
Hex	00293F
RGB	0, 41, 63
RGB Percent	0%, 16%, 25%
CMY	1.0000, 0.8392, 0.7529
CMYK	1.00, 0.35, 0.00, 0.75
HSL	201°, 100%, 12%
HSV	201°, 100%, 25%
XYZ	1.6901, 1.9448, 4.9889
YIQ	31.2490, -31.4980, -1.8500

Conversions

Conversions Part 2

Format	Color
RYB	0, 25, 63
Decimal	10559
CIELab	15.19, -3.96, -17.78
CIELCh	15, 18.217, 257.460
Yxy	1.9448, 0.1960, 0.2255
Android (android.graphics.Color)	4278200639 (0xFF00293F)
YUV	31.2490, 15.6532, -27.4054
Hunter-Lab	13.9456, -2.7720, -11.4485

Details

The XYZ color **1.6901, 1.9448, 4.9889** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **2.3368, 1.6305, 0.1916**, and the grayscale version is **1.3108, 1.3791, 1.5018**.

A 20% lighter version of the original color is **7.7726, 8.6155, 16.2922**, and **0.1371, 0.0722, 0.6685** is the 20% darker color. If you saturate the color by 10%, you get **1.6902, 1.9449, 4.9890**, and if you desaturate by 10%, it is **1.8473, 2.1420, 5.0187**.

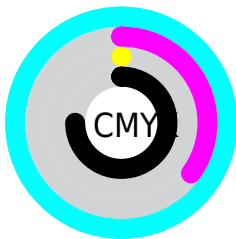
Distribution



- Red (0%)
- Green (16%)
- Blue (25%)



- Red (0%)
- Yellow (10%)
- Blue (25%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (75%)



- Cyan (100%)
- Magenta (84%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 1.6901, 1.9448, 4.9889 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 1.6901, 1.9448, 4.9889 by changing the saturation by 10% instead.

■ 1.6901, 1.9448,
4.9889

■ 1.6901, 1.9448,
4.9889

■ 105.9533,
114.0456, 158.6536

■ 0.4501, 0.5751,
2.1821

■ 7.7389, 8.5962,
16.2329

■ 0.0000, 0.0000,
0.6640

■ 13.3360, 14.6815,
25.5072

■ 0.0000, 0.0000,
0.0000

■ 21.1353, 23.1191,
37.7745


■ 31.5022, 34.2935,
53.4532


■ 44.8022, 48.5889,
72.9620


■ 61.4004, 66.3898,


96.7192


 81.6623, 88.0806,
125.1436


 1.6901, 1.9448,
4.9889


 1.6901, 1.9448,
4.9889


 1.6902, 1.9449,
4.9890

 1.8473, 2.1420,
5.0187

 2.0111, 2.3490,
5.0500

 2.2045, 2.5778,
5.0840

 2.4352, 2.8323,
5.1210

 2.7055, 3.1141,
5.1611

■ 3.0177, 3.4242,
5.2045

■ 3.3739, 3.7639,
5.2513

■ 3.7759, 4.1342,
5.3016

■ 4.2256, 4.5361,
5.3555

Harmonies

Analogous

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



1.3856, 1.9448, 4.1315



1.6901, 1.9448, 4.9889



2.0832, 1.9448, 4.9047

Triad

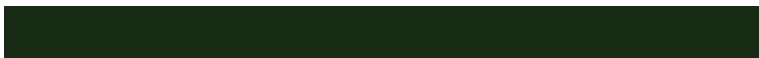
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



1.6901, 1.9448, 4.9889



2.6618, 1.9448, 1.5353



1.3483, 1.9448, 0.9705

Complementary

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



1.6901, 1.9448, 4.9889



2.3368, 1.6305, 0.1916

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.



1.6321, 1.9448, 0.6167



1.6901, 1.9448, 4.9889



2.4044, 1.9448, 0.8932

Square

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



1.6901, 1.9448, 4.9889



2.6831, 1.9448, 2.6199



2.0164, 1.9448, 0.5884



1.2078, 1.9448, 1.6839

Rectangle

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



1.6901, 1.9448, 4.9889



2.3441, 1.9448, 4.3259



2.0164, 1.9448, 0.5884



1.4281, 1.9448, 0.8206

Sweetspot

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



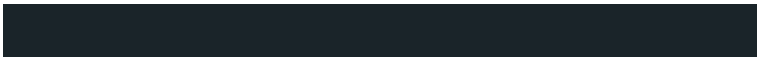
1.6902, 1.9449, 4.9890



5.5880, 6.2484, 8.8146



1.9129, 3.6092, 1.3053



1.4466, 1.6217, 2.3164



37.3664, 39.3123, 42.8111



2.0893, 2.1981, 2.3937

Same Dimension

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



1.6902, 1.9449, 4.9890



2.7858, 3.1591, 8.3660



1.0112, 0.5869, 4.7626



1.1610, 1.2423, 1.4474



3.7266, 4.1953, 11.2856



23.1963, 25.3291, 72.6683

Inverse Universe

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



2.4502, 1.2169, 2.2037



4.0901, 2.0340, 3.5581



3.3003, 3.5576, 0.5127



1.1859, 1.1854, 1.3634



5.5053, 2.7395, 4.7109



35.1418, 17.5313, 28.0716

Previews

White Background



This preview shows how the XYZ color 1.6901, 1.9448, 4.9889 looks on a white background.

Color Contrast Check

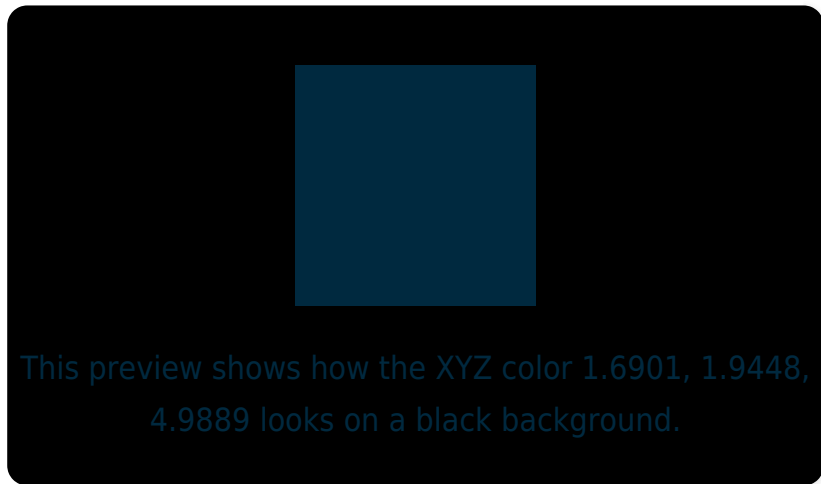
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

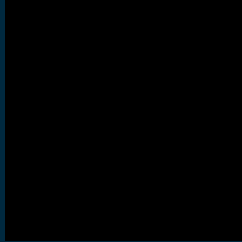
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 1.6901, 1.9448, 4.9889

Background



This preview shows how black text looks on a background with the XYZ color 1.6901, 1.9448, 4.9889.



This preview shows how white text looks on a background with the XYZ color 1.6901, 1.9448, 4.9889.

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

1.6901, 1.9448, 4.9889

Protanopia

2.1005, 2.0145, 4.6930

Deuteranopia

1.9994, 2.0041, 4.9841



Tritanopia

1.3570, 1.9250, 2.8848

Trichromacy



Original Color

1.6901, 1.9448, 4.9889

Protanomaly

1.8835, 1.9476, 4.8341

Deuteranomaly

1.8530, 1.9780, 4.9868

Tritanomaly

1.4478, 1.9039, 3.5400

Monochromacy



Original Color

1.6901, 1.9448, 4.9889

Achromatopsia

1.3024, 1.3702, 1.4922

Achromatomaly

1.3256, 1.5252, 2.5100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 1.6901, 1.9448, 4.9889 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(0, 41, 63)` looks like.

```
.text, #text, p{  
    color:rgb(0, 41, 63)  
}
```

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(0, 41, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 41, 63) }
```

Border

The CSS property to change the border of an element to XYZ 1.6901, 1.9448, 4.9889 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(0, 41, 63) }
```

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

```
.border{ border-color:rgb(0, 41, 63) }
```

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

Here you see how a box with a 4 pixel rgb(0, 41, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 41, 63); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 41, 63); box-shadow:4px  
4px 4px 4px rgb(0, 41, 63) }
```


Background

The CSS property to change the background color of an element to XYZ 1.6901, 1.9448, 4.9889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 41, 63) }
```

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

```
.background{ background-color: rgb(0, 41,  
63) }
```

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