

Converting Colors

XYZ(18.4845, 21.6569, 28.1039)

Have a look what the booklet for
XYZ(18.4845, 21.6569, 28.1039)
contains.

XYZ(18.4043, 21.5963, 28.0094)	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(18.4043, 21.5963,
28.0094)**

Conversions

Conversions Part 1

Format	Color
Hex	63868C
RGB	99, 134, 140
RGB Percent	39%, 53%, 55%
CMY	0.6118, 0.4745, 0.4510
CMYK	0.29, 0.04, 0.00, 0.45
HSL	189°, 17%, 47%
HSV	189°, 29%, 55%
XYZ	18.4043, 21.5963, 28.0094
YIQ	124.2190, -22.7860, -5.5540

Conversions

Conversions Part 2

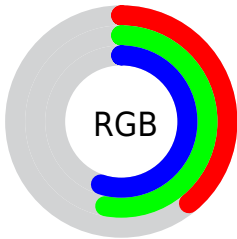
Format	Color
R _Y B	99, 118, 140
Decimal	6522508
CIE Lab	53.60, -10.72, -7.20
CIE LCh	54, 12.913, 213.909
Yxy	21.5963, 0.2706, 0.3175
Android (android.graphics.Color)	4284712588 (0xFF63868C)
YUV	124.2190, 7.7800, -22.1171
Hunter-Lab	46.4718, -10.6341, -3.2049

Details

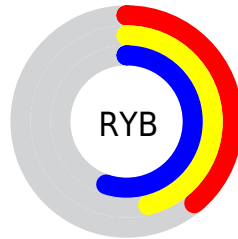
The XYZ color **18.4043, 21.5963, 28.0094** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.1191, 16.5795, 14.0500**, and the grayscale version is **19.2120, 20.2125, 22.0114**.

A 20% lighter version of the original color is **40.2704, 46.0150, 57.7982**, and **6.3312, 7.7569, 10.8364** is the 20% darker color. If you saturate the color by 10%, you get **16.7252, 20.3150, 27.8509**, and if you desaturate by 10%, it is **20.3553, 23.0270, 28.1831**.

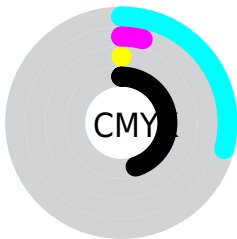
Distribution



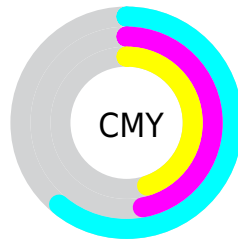
- Red (39%)
- Green (53%)
- Blue (55%)



- Red (39%)
- Yellow (46%)
- Blue (55%)



- Cyan (29%)
- Magenta (4%)
- Yellow (0%)
- Black (45%)



- Cyan (61%)
- Magenta (47%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4043, 21.5963, 28.0094 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 18.4043, 21.5963, 28.0094 by changing the saturation by 10% instead.

■ 18.4043, 21.5963,
28.0094

■ 18.4043, 21.5963,
28.0094

236.1419,
260.4307, 306.4252

■ 11.3421, 13.5606,
18.0936

■ 40.2498, 46.0779,
57.5227

■ 6.3664, 7.8157,
10.8471

■ 55.7637, 63.2925,
77.9574

■ 3.1119, 3.9772,
5.8512

■ 74.8256, 84.3355,
102.7354

■ 1.2132, 1.6608,
2.6875

■ 97.8008, 109.5913,
132.2754

■ 0.1168, 0.3981,
0.9371

125.0547,
139.4444, 166.9958

■ 0.0000, 0.0000,
0.0000

156.9526,

174.2791, 207.3152

193.8599,
214.4797, 253.6521

■ 18.4043, 21.5963,
28.0094

■ 18.4043, 21.5963,
28.0094

■ 16.7252, 20.3150,
27.8509

■ 20.3553, 23.0270,
28.1831

■ 15.3025, 19.1735,
27.7056

■ 22.5891, 24.6111,
28.3711

■ 14.1218, 18.1647,
27.5731

■ 25.1182, 26.3556,
28.5745

■ 13.1666, 17.2802,
27.4527

■ 27.9538, 28.2665,
28.7939

■ 12.4182, 16.5103,
27.3436

■ 31.1066, 30.3492,
29.0298

■ 11.8551, 15.8439,
27.2446

■ 34.5866, 32.6089,
29.2825

■ 11.4225, 15.2525,
27.1533

■ 38.4036, 35.0508,
29.5527

■ 11.3924, 15.2110,
27.1468

■ 42.5668, 37.6796,
29.8406

■ 47.0850, 40.4999,
30.1469

Harmonies

Analogous

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



17.9939, 21.5963, 24.0361



18.4043, 21.5963, 28.0094



19.3827, 21.5963, 31.0131

Triad

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



18.4043, 21.5963, 28.0094



23.0006, 21.5963, 27.0141



20.3464, 21.5963, 16.7247

Complementary

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



18.4043, 21.5963, 28.0094



18.1191, 16.5795, 14.0500

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.



21.7147, 21.5963, 17.3342



18.4043, 21.5963, 28.0094



23.2865, 21.5963, 23.0009

Square

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



18.4043, 21.5963, 28.0094



22.0413, 21.5963, 30.3948



22.8062, 21.5963, 19.5286



19.0830, 21.5963, 17.7601

Rectangle

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



18.4043, 21.5963, 28.0094



20.2467, 21.5963, 31.9003



22.8062, 21.5963, 19.5286



20.8092, 21.5963, 16.7447

Sweetspot

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



18.4049, 21.5972, 28.0099



39.8651, 43.4179, 50.0223



17.0465, 22.4182, 16.6505



9.0603, 9.9166, 11.5160



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.4049, 21.5972, 28.0099



30.4844, 36.5887, 49.1986



15.9007, 16.5887, 27.1752



5.1116, 5.5661, 6.4108



10.1336, 13.5375, 24.1246



0.0752, 0.1057, 0.1629

Inverse Universe

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



19.5806, 16.2208, 24.6542



32.9341, 25.6821, 42.1400



20.3971, 21.1355, 14.8093



5.2029, 5.1166, 6.1571



12.6018, 6.1508, 16.2051



0.0877, 0.0425, 0.1286

Previews

White Background



This preview shows how the XYZ color 18.4043, 21.5963, 28.0094 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 18.4043, 21.5963, 28.0094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

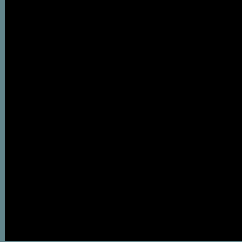
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4043, 21.5963, 28.0094

Background



This preview shows how black text looks on a background with the XYZ color 18.4043, 21.5963, 28.0094.



This preview shows how white text looks on a background with the XYZ color 18.4043, 21.5963,

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

18.4043, 21.5963, 28.0094

Protanopia

20.9354, 21.5455, 26.3478

Deuteranopia

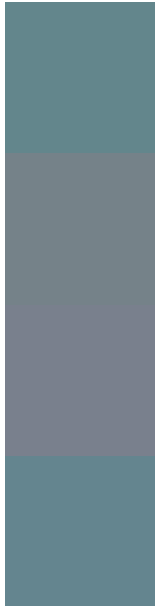
21.7630, 21.3548, 28.5660



Tritanopia

18.6771, 21.4980, 29.5507

Trichromacy



Original Color

18.4043, 21.5963, 28.0094

Protanomaly

19.8341, 21.5533, 26.7817

Deuteranomaly

20.4120, 21.4264, 28.2592

Tritanomaly

18.6010, 21.4676, 29.1499

Monochromacy



Original Color

18.4043, 21.5963, 28.0094

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.8187, 20.6949, 24.1218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4043, 21.5963, 28.0094 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, 134, 140) looks like.

```
.text, #text, p{  
    color:rgb(99, 134, 140)  
}
```

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, 134, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 134, 140) }
```

Border

The CSS property to change the border of an element to XYZ 18.4043, 21.5963, 28.0094 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, 134, 140) }
```


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

```
.border{ border-color:rgb(99, 134, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 134, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 134, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 134, 140);  
box-shadow:4px 4px 4px 4px rgb(99, 134,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4043, 21.5963, 28.0094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 134, 140) }
```

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

```
.background{ background-color: rgb(99, 134,  
140) }
```

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