

Converting Colors

XYZ(18.5463, 21.9838, 28.1735)

Have a look what the booklet for
XYZ(18.5463, 21.9838, 28.1735)
contains.

XYZ(18.5748, 22.0984, 28.0974)	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(18.5748, 22.0984,
28.0974)**

Conversions

Conversions Part 1

Format	Color
Hex	62888C
RGB	98, 136, 140
RGB Percent	38%, 53%, 55%
CMY	0.6157, 0.4667, 0.4510
CMYK	0.30, 0.03, 0.00, 0.45
HSL	186°, 18%, 47%
HSV	186°, 30%, 55%
XYZ	18.5748, 22.0984, 28.0974
YIQ	125.0940, -23.9320, -6.8120

Conversions

Conversions Part 2

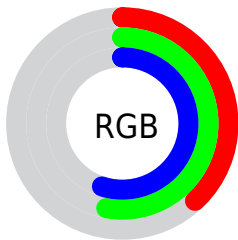
Format	Color
R_{YB}	98, 118, 140
Decimal	6457484
CIE _{Lab}	54.13, -12.13, -6.41
CIE _{LCh}	54, 13.725, 207.863
Yxy	22.0984, 0.2701, 0.3213
Android (android.graphics.Color)	4284647564 (0xFF62888C)
YUV	125.0940, 7.3487, -23.7614
Hunter-Lab	47.0089, -11.7343, -2.5316

Details

The XYZ color **18.5748, 22.0984, 28.0974** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.7716, 15.9603, 13.6998**, and the grayscale version is **19.5070, 20.5228, 22.3494**.

A 20% lighter version of the original color is **40.5129, 46.7743, 57.9320**, and **6.4399, 8.0467, 10.8866** is the 20% darker color. If you saturate the color by 10%, you get **17.0080, 21.0143, 27.9711**, and if you desaturate by 10%, it is **20.4095, 23.3252, 28.2379**.

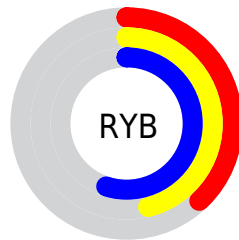
Distribution



Red (38%)

Green (53%)

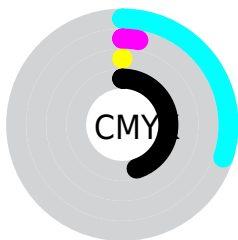
Blue (55%)



Red (38%)

Yellow (46%)

Blue (55%)

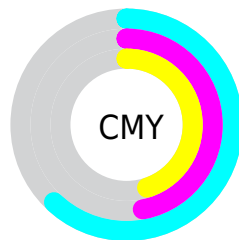


Cyan (30%)

Magenta (3%)

Yellow (0%)

Black (45%)



Cyan (62%)

Magenta (47%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5748, 22.0984, 28.0974 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 18.5748, 22.0984, 28.0974 by changing the saturation by 10% instead.

■ 18.5748, 22.0984,
28.0974

■ 18.5748, 22.0984,
28.0974

237.0747,
263.0597, 306.8586

■ 11.4656, 13.9292,
18.1594

■ 40.5368, 46.9086,
57.6649

■ 6.4505, 8.0715,
10.8939

■ 56.1204, 64.3184,
78.1315

■ 3.1642, 4.1407,
5.8822

■ 75.2594, 85.5771,
102.9446

■ 1.2412, 1.7526,
2.7060

■ 98.3193, 111.0693,
132.5230

■ 0.1385, 0.4574,
0.9464

125.6655,
141.1792, 167.2850

■ 0.0000, 0.0000,
0.0000

157.6632,

176.2914, 207.6492

194.6778,
216.7901, 254.0343

■ 18.5748, 22.0984,
28.0974

■ 18.5748, 22.0984,
28.0974

■ 17.0080, 21.0143,
27.9711

■ 20.4095, 23.3252,
28.2379

■ 15.6933, 20.0630,
27.8568

■ 22.5229, 24.6986,
28.3916

■ 14.6165, 19.2378,
27.7543

■ 24.9276, 26.2257,
28.5596

■ 13.7608, 18.5301,
27.6627

■ 27.6349, 27.9122,
28.7424

■ 13.1075, 17.9301,
27.5814

■ 30.6553, 29.7637,
28.9406

■ 12.6346, 17.4265,
27.5091

■ 33.9990, 31.7854,
29.1546

■ 12.2808, 16.9877,
27.4430

■ 37.6758, 33.9823,
29.3849

■ 12.2808, 16.9876,
27.4430

■ 41.6947, 36.3592,
29.6318

■ 46.0649, 38.9207,
29.8959

Harmonies

Analogous

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



18.2727, 22.0984, 23.7572



18.5748, 22.0984, 28.0974



19.5185, 22.0984, 31.6876

Triad

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



18.5748, 22.0984, 28.0974



23.5207, 22.0984, 28.6883



21.1107, 22.0984, 16.7673

Complementary

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



18.5748, 22.0984, 28.0974



17.7716, 15.9603, 13.6998

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.



22.5628, 22.0984, 17.7689



18.5748, 22.0984, 28.0974



23.9945, 22.0984, 24.3682

Square

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



18.5748, 22.0984, 28.0974



22.3695, 22.0984, 32.0561



23.6360, 22.0984, 20.4317



19.6950, 22.0984, 17.5204

Rectangle

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



18.5748, 22.0984, 28.0974



20.4081, 22.0984, 32.9934



23.6360, 22.0984, 20.4317



21.6111, 22.0984, 16.9072

Sweetspot

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



18.5755, 22.0993, 28.0979



40.0321, 43.7518, 50.0780



16.7891, 22.3027, 15.8613



9.1041, 10.0043, 11.5306



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.



18.5755, 22.0993, 28.0979



30.8308, 37.6420, 49.3836



15.9591, 16.8665, 27.2258



5.1328, 5.6086, 6.4179



10.9196, 15.1095, 24.3866



0.0780, 0.1113, 0.1638

Inverse Universe

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



19.6274, 16.0890, 25.3645



33.0210, 25.3801, 43.6359



20.0414, 20.5000, 14.4564



5.2137, 5.1209, 6.2137



12.9985, 6.3095, 18.2943



0.0891, 0.0430, 0.1361

Previews

White Background



This preview shows how the XYZ color 18.5748, 22.0984, 28.0974 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 18.5748, 22.0984, 28.0974 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

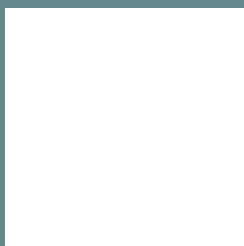
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5748, 22.0984, 28.0974

Background



This preview shows how black text looks on a background with the XYZ color 18.5748, 22.0984, 28.0974.



This preview shows how white text looks on a background with the XYZ color 18.5748, 22.0984,

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

18.5748, 22.0984, 28.0974

Protanopia

21.1456, 21.8547, 26.0256

Deuteranopia

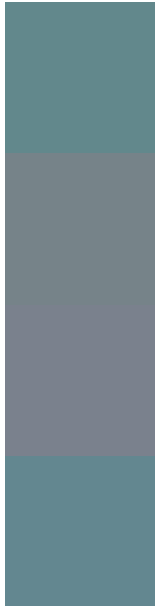
22.2078, 21.7711, 28.6230



Tritanopia

18.9979, 22.0559, 30.4501

Trichromacy



Original Color

18.5748, 22.0984, 28.0974

Protanomaly

20.1029, 21.8903, 26.8326

Deuteranomaly

20.6840, 21.7612, 28.3095

Tritanomaly

18.8436, 21.9942, 29.6377

Monochromacy



Original Color

18.5748, 22.0984, 28.0974

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.9498, 20.9571, 24.1655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5748, 22.0984, 28.0974 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, 136, 140) looks like.

```
.text, #text, p{  
    color:rgb(98, 136, 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(98, 136, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 136, 140) }
```

Border

The CSS property to change the border of an element to XYZ 18.5748, 22.0984, 28.0974 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, 136, 140) }
```


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

```
.border{ border-color:rgb(98, 136, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 136, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 136, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 136, 140);  
box-shadow:4px 4px 4px 4px rgb(98, 136,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5748, 22.0984, 28.0974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 136, 140) }
```

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

```
.background{ background-color: rgb(98, 136,  
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