

Converting Colors

XYZ(16.2094, 21.7430, 17.8105)

Have a look what the booklet for
XYZ(16.2094, 21.7430, 17.8105)
contains.

XYZ(16.2094, 21.7430, 17.8105)	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(16.2094, 21.7430,
17.8105)**

Conversions

Conversions Part 1

Format	Color
Hex	5A8B6D
RGB	90, 139, 109
RGB Percent	35%, 55%, 43%
CMY	0.6471, 0.4549, 0.5725
CMYK	0.35, 0.00, 0.22, 0.45
HSL	143°, 21%, 45%
HSV	143°, 35%, 55%
XYZ	16.2094, 21.7430, 17.8105
YIQ	120.9290, -19.5740, -19.7180

Conversions

Conversions Part 2

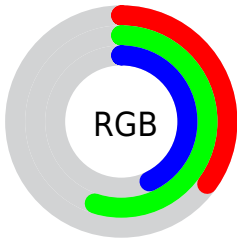
Format	Color
R_{YB}	90, 125, 139
Decimal	5933933
CIE _{Lab}	53.75, -23.38, 10.88
CIE _{LCh}	54, 25.793, 155.039
Yxy	21.7430, 0.2907, 0.3899
Android (android.graphics.Color)	4284124013 (0xFF5A8B6D)
YUV	120.9290, -5.8810, -27.1247
Hunter-Lab	46.6294, -19.5509, 9.9942

Details

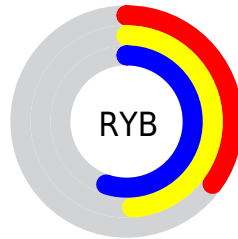
The XYZ color **16.2094, 21.7430, 17.8105** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.6945, 14.1579, 19.5704**, and the grayscale version is **18.1744, 19.1209, 20.8227**.

A 20% lighter version of the original color is **36.6583, 46.4639, 40.7545**, and **5.3291, 7.9531, 5.6691** is the 20% darker color. If you saturate the color by 10%, you get **14.5456, 20.9363, 15.4560**, and if you desaturate by 10%, it is **18.1716, 22.6996, 20.4116**.

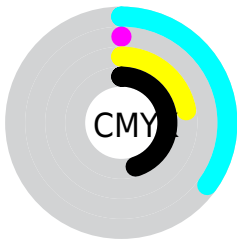
Distribution



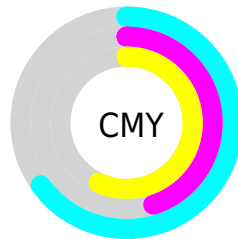
- Red (35%)
- Green (55%)
- Blue (43%)



- Red (35%)
- Yellow (49%)
- Blue (55%)



- Cyan (35%)
- Magenta (0%)
- Yellow (22%)
- Black (45%)



- Cyan (65%)
- Magenta (45%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2094, 21.7430, 17.8105 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 16.2094, 21.7430, 17.8105 by changing the saturation by 10% instead.

■ 16.2094, 21.7430,
17.8105

■ 16.2094, 21.7430,
17.8105

223.8204,
261.2012, 252.0009

■ 9.7642, 13.6682,
10.6460

■ 36.5159, 46.3209,
40.5237

■ 5.3040, 7.8902,
5.7182

■ 51.1079, 63.5927,
56.9095

■ 2.4633, 4.0248,
2.6085

■ 69.1462, 84.6990,
77.2062

■ 0.8768, 1.6874,
0.8968

■ 90.9963, 110.0241,
101.8322

■ 0.0000, 0.4155,
0.0000

117.0233,
139.9525, 131.2061

■ 0.0000, 0.0000,
0.0000

147.5928,

174.8686, 165.7465

183.0700,
215.1567, 205.8719

■ 16.2094, 21.7430,
17.8105

■ 16.2094, 21.7430,
17.8105

■ 14.5456, 20.9363,
15.4560

■ 18.1716, 22.6996,
20.4116

■ 13.1631, 20.2690,
13.3392

■ 20.4447, 23.8107,
23.2646

■ 12.0457, 19.7335,
11.4531

■ 23.0426, 25.0837,
26.3768

■ 11.1746, 19.3204,
9.7895

■ 25.9778, 26.5251,
29.7546

■ 10.5284, 19.0187,
8.3399

■ 29.2620, 28.1409,
33.4041

■ 10.0778, 18.8135,
7.0949

■ 32.9067, 29.9366,
37.3313

■ 9.8964, 18.7314,
6.5713

■ 36.9224, 31.9178,
41.5421

■ 41.3196, 34.0895,
46.0420

■ 46.1079, 36.4568,
50.8364

Harmonies

Analogous

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



17.7603, 21.7430, 13.2645



16.2094, 21.7430, 17.8105



15.8077, 21.7430, 25.0377

Triad

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



16.2094, 21.7430, 17.8105



21.1368, 21.7430, 42.3208



25.3339, 21.7430, 15.9616

Complementary

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



16.2094, 21.7430, 17.8105



17.6945, 14.1579, 19.5704

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.



26.4300, 21.7430, 22.3615



16.2094, 21.7430, 17.8105



23.8726, 21.7430, 38.4646

Square

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



16.2094, 21.7430, 17.8105



18.5018, 21.7430, 40.3434



25.8728, 21.7430, 30.7020



22.9928, 21.7430, 12.3758

Rectangle

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



16.2094, 21.7430, 17.8105



16.2120, 21.7430, 30.7243



25.8728, 21.7430, 30.7020



25.8693, 21.7430, 17.7950

Sweetspot

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



16.2100, 21.7439, 17.8110



38.4071, 43.5183, 43.8412



18.8547, 23.2130, 13.1600



8.7264, 9.9672, 9.9531



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.



16.2100, 21.7439, 17.8110



26.6984, 37.8069, 28.6253



17.7030, 22.3411, 25.6732



5.0469, 5.6382, 5.7680



8.9396, 16.9084, 5.9726



0.0662, 0.1150, 0.0755

Inverse Universe

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



17.6945, 14.1579, 19.5704



29.7523, 22.1876, 32.2342



16.4026, 13.6411, 12.7669



5.1530, 5.0967, 5.8943



11.1020, 5.5509, 8.3074



0.0809, 0.0398, 0.0931

Previews

White Background



This preview shows how the XYZ color 16.2094, 21.7430, 17.8105 looks on a white background.

Color Contrast Check

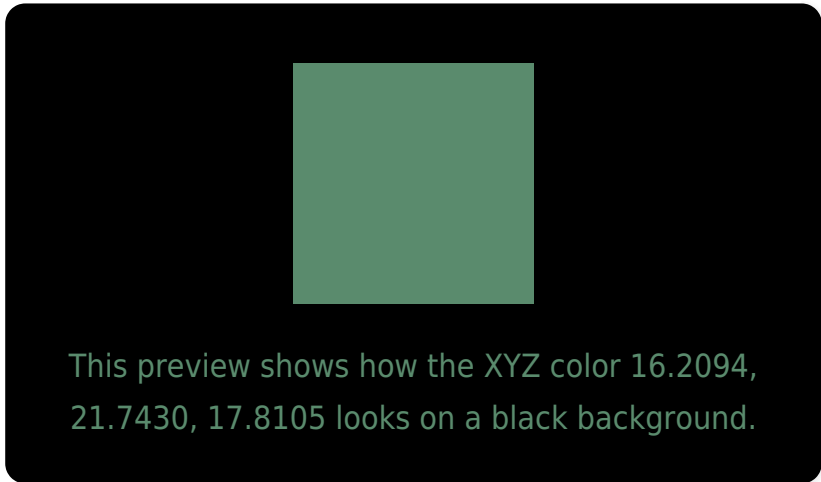
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 16.2094, 21.7430, 17.8105

Background



This preview shows how black text looks on a background with the XYZ color 16.2094, 21.7430, 17.8105.



This preview shows how white text looks on a background with the XYZ color 16.2094, 21.7430,

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

16.2094, 21.7430, 17.8105

Protanopia

20.3712, 21.6721, 16.2062

Deuteranopia

21.8616, 21.4468, 18.3166



Tritanopia

18.6729, 21.6912, 29.9907

Trichromacy



Original Color

16.2094, 21.7430, 17.8105

Protanomaly

18.4605, 21.4651, 16.8059

Deuteranomaly

19.3237, 21.2838, 18.1286

Tritanomaly

17.6883, 21.7072, 25.0874

Monochromacy



Original Color

16.2094, 21.7430, 17.8105

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.3605, 20.0377, 19.7823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2094, 21.7430, 17.8105 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(90, 139, 109)` looks like.

```
.text, #text, p{  
    color:rgb(90, 139, 109)  
}
```

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(90, 139, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 139, 109) }
```

Border

The CSS property to change the border of an element to XYZ 16.2094, 21.7430, 17.8105 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(90, 139, 109) }
```


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

```
.border{ border-color:rgb(90, 139, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 139, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 139, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 139, 109);  
box-shadow:4px 4px 4px 4px rgb(90, 139,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2094, 21.7430, 17.8105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 139, 109) }
```

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

```
.background{ background-color: rgb(90, 139,  
109) }
```

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