

Converting Colors

XYZ(16.3820, 20.4134, 22.9522)

Have a look what the booklet for
XYZ(16.3820, 20.4134, 22.9522)
contains.

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Color

**XYZ(16.3699, 20.4551,
22.8241)**

Conversions

Conversions Part 1

Format	Color
Hex	5A857E
RGB	90, 133, 126
RGB Percent	35%, 52%, 49%
CMY	0.6471, 0.4784, 0.5059
CMYK	0.32, 0.00, 0.05, 0.48
HSL	170°, 19%, 44%
HSV	170°, 32%, 52%
XYZ	16.3699, 20.4551, 22.8241
YIQ	119.3450, -23.3810, -11.2930

Conversions

Conversions Part 2

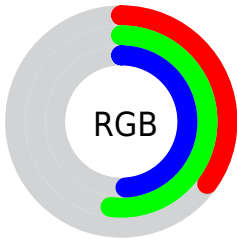
Format	Color
R _{YB}	90, 113, 133
Decimal	5932414
CIE Lab	52.35, -16.41, -0.97
CIE LCh	52, 16.443, 183.366
Yxy	20.4551, 0.2744, 0.3429
Android (android.graphics.Color)	4284122494 (0xFF5A857E)
YUV	119.3450, 3.2809, -25.7356
Hunter-Lab	45.2273, -14.5402, 1.7382

Details

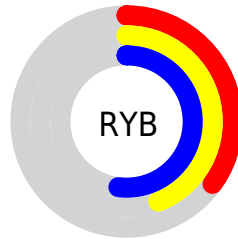
The XYZ color **16.3699, 20.4551, 22.8241** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.4874, 13.1625, 13.0345**, and the grayscale version is **17.6396, 18.5583, 20.2100**.

A 20% lighter version of the original color is **36.8509, 44.1233, 49.2222**, and **5.3473, 7.1938, 8.1279** is the 20% darker color. If you saturate the color by 10%, you get **15.0521, 19.7923, 22.0412**, and if you desaturate by 10%, it is **17.9234, 21.2402, 23.6347**.

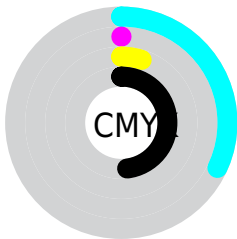
Distribution



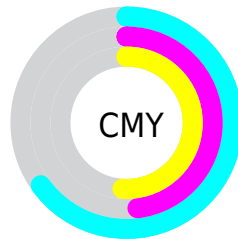
- Red (35%)
- Green (52%)
- Blue (49%)



- Red (35%)
- Yellow (44%)
- Blue (52%)



- Cyan (32%)
- Magenta (0%)
- Yellow (5%)
- Black (48%)



- Cyan (65%)
- Magenta (48%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3699, 20.4551, 22.8241 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 16.3699, 20.4551, 22.8241 by changing the saturation by 10% instead.

■ 16.3699, 20.4551,
22.8241

■ 16.3699, 20.4551,
22.8241

224.7424,
254.3683, 279.9128

■ 9.8788, 12.7263,
14.2596

■ 36.7915, 44.1789,
49.0239

■ 5.3803, 7.2403,
8.1606

■ 51.4526, 60.9427,
67.4962

■ 2.5091, 3.6129,
4.1087

■ 69.5679, 81.4869,
90.1083

■ 0.8999, 1.4594,
1.6851

■ 91.5025, 106.1959,
117.2785

■ 0.0000, 0.2599,
0.3505

117.6219,
135.4542, 149.4256

■ 0.0000, 0.0000,
0.0000

148.2915,

169.6461, 186.9680

183.8765,
209.1560, 230.3242

■ 16.3699, 20.4551,
22.8241

■ 16.3699, 20.4551,
22.8241

■ 15.0521, 19.7923,
22.0412

■ 17.9234, 21.2402,
23.6347

■ 13.9559, 19.2428,
21.2839

■ 19.7223, 22.1509,
24.4723

■ 13.0684, 18.8005,
20.5520

■ 21.7779, 23.1935,
25.3378

■ 12.3745, 18.4578,
19.8446

■ 24.1003, 24.3734,
26.2320

■ 11.8573, 18.2057,
19.1609

■ 26.6989, 25.6953,
27.1552

■ 11.4966, 18.0340,
18.4999

■ 29.5828, 27.1639,
28.1081

■ 11.2762, 17.9311,
18.0058

■ 32.7607, 28.7837,
29.0911

■ 36.2408, 30.5589,
30.1047

■ 40.0310, 32.4936,
31.1493

Harmonies

Analogous

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



16.6748, 20.4551, 18.3487



16.3699, 20.4551, 22.8241



16.8479, 20.4551, 27.8034

Triad

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



16.3699, 20.4551, 22.8241



21.2879, 20.4551, 31.0012



20.9381, 20.4551, 14.9345

Complementary

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



16.3699, 20.4551, 22.8241



15.4874, 13.1625, 13.0345

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.



22.2895, 20.4551, 17.5279



16.3699, 20.4551, 22.8241



22.4995, 20.4551, 26.7184

Square

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



16.3699, 20.4551, 22.8241



19.6337, 20.4551, 32.9358



22.8762, 20.4551, 21.7291



19.2514, 20.4551, 14.2013

Rectangle

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



16.3699, 20.4551, 22.8241



17.5635, 20.4551, 30.6227



22.8762, 20.4551, 21.7291



21.4498, 20.4551, 15.5970

Sweetspot

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



16.3705, 20.4559, 22.8246



36.0527, 40.0388, 44.1449



15.1812, 20.0647, 12.7460



8.0279, 8.9725, 9.9043



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.3705, 20.4559, 22.8246



27.4936, 35.7136, 39.8082



15.0080, 16.9823, 24.6782



4.7699, 5.2662, 5.7997



10.7428, 17.0800, 17.1631



0.0394, 0.0600, 0.0708

Inverse Universe

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



15.4874, 13.1625, 13.0345



25.6512, 20.4708, 19.3628



16.5030, 15.6933, 11.8326



4.7012, 4.7002, 5.0390



9.3506, 4.8046, 1.1526



0.0342, 0.0174, 0.0135

Previews

White Background



This preview shows how the XYZ color 16.3699, 20.4551, 22.8241 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 16.3699, 20.4551, 22.8241 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

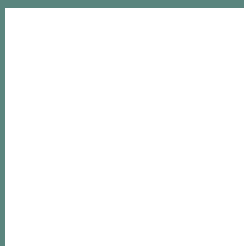
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3699, 20.4551, 22.8241

Background



This preview shows how black text looks on a background with the XYZ color 16.3699, 20.4551, 22.8241.



This preview shows how white text looks on a background with the XYZ color 16.3699, 20.4551,

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

16.3699, 20.4551, 22.8241

Protanopia

19.4112, 20.3078, 20.9859

Deuteranopia

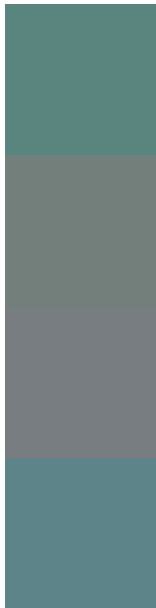
20.7915, 20.4106, 23.6127



Tritanopia

17.5401, 20.5354, 28.2386

Trichromacy



Original Color

16.3699, 20.4551, 22.8241

Protanomaly

18.1040, 20.1862, 21.6810

Deuteranomaly

18.8376, 20.1477, 23.3181

Tritanomaly

17.2094, 20.6073, 26.3631

Monochromacy



Original Color

16.3699, 20.4551, 22.8241

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.9048, 19.0086, 21.1904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3699, 20.4551, 22.8241 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, 133, 126) looks like.

```
.text, #text, p{  
    color:rgb(90, 133, 126)  
}
```

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, 133, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 133, 126) }
```

Border

The CSS property to change the border of an element to XYZ 16.3699, 20.4551, 22.8241 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, 133, 126) }
```


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

```
.border{ border-color:rgb(90, 133, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 133, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 133, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 133, 126);  
box-shadow:4px 4px 4px 4px rgb(90, 133,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3699, 20.4551, 22.8241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 133, 126) }
```

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

```
.background{ background-color: rgb(90, 133,  
126) }
```

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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