

Converting Colors

XYZ(16.4224, 20.7765, 16.3694)

Have a look what the booklet for
XYZ(16.4224, 20.7765, 16.3694)
contains.

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Color

**XYZ(16.3906, 20.8164,
16.2508)**

Conversions

Conversions Part 1

Format	Color
Hex	658668
RGB	101, 134, 104
RGB Percent	40%, 53%, 41%
CMY	0.6039, 0.4745, 0.5922
CMYK	0.25, 0.00, 0.22, 0.47
HSL	125°, 14%, 46%
HSV	125°, 25%, 53%
XYZ	16.3906, 20.8164, 16.2508
YIQ	120.7130, -10.0380, -16.3260

Conversions

Conversions Part 2

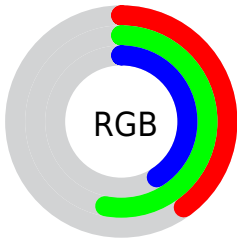
Format	Color
R_{YB}	101, 131, 134
Decimal	6653544
CIE _{Lab}	52.75, -18.02, 12.44
CIE _{LCh}	53, 21.900, 145.378
Yxy	20.8164, 0.3066, 0.3894
Android (android.graphics.Color)	4284843624 (0xFF658668)
YUV	120.7130, -8.2395, -17.2883
Hunter-Lab	45.6250, -15.7183, 10.8195

Details

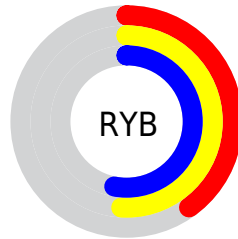
The XYZ color **16.3906, 20.8164, 16.2508** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.5826, 16.0148, 23.5853**, and the grayscale version is **18.1099, 19.0530, 20.7487**.

A 20% lighter version of the original color is **36.8236, 44.6795, 37.6935**, and **5.3770, 7.3929, 5.0145** is the 20% darker color. If you saturate the color by 10%, you get **14.4362, 19.8758, 13.1594**, and if you desaturate by 10%, it is **18.6803, 21.9206, 19.8254**.

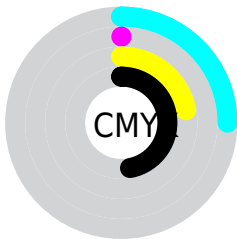
Distribution



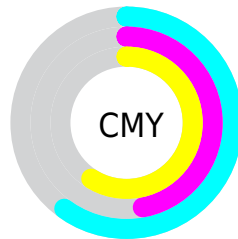
- Red (40%)
- Green (53%)
- Blue (41%)



- Red (40%)
- Yellow (51%)
- Blue (53%)



- Cyan (25%)
- Magenta (0%)
- Yellow (22%)
- Black (47%)



- Cyan (60%)
- Magenta (47%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3906, 20.8164, 16.2508 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 16.3906, 20.8164, 16.2508 by changing the saturation by 10% instead.

■ 16.3906, 20.8164,
16.2508

■ 16.3906, 20.8164,
16.2508

224.8610,
256.3011, 242.7131

■ 9.8936, 12.9899,
9.5455

■ 36.8270, 44.7818,
37.8059

■ 5.3902, 7.4216,
4.9970

■ 51.4970, 61.6894,
53.4928

■ 2.5151, 3.7271,
2.1868

■ 69.6222, 82.3928,
73.0106

■ 0.9029, 1.5221,
0.6667

■ 91.5677, 107.2765,
96.7780

■ 0.0000, 0.3042,
0.0000

117.6990,
136.7248, 125.2134

■ 0.0000, 0.0000,
0.0000

148.3814,

171.1220, 158.7353

183.9803,
210.8527, 197.7624

■ 16.3906, 20.8164,
16.2508

■ 16.3906, 20.8164,
16.2508

■ 14.4362, 19.8758,
13.1594

■ 18.6803, 21.9206,
19.8254

■ 12.7996, 19.0887,
10.5293

■ 21.3181, 23.1930,
23.9014

■ 11.4645, 18.4475,
8.3386

■ 24.3184, 24.6411,
28.4974

■ 10.4125, 17.9434,
6.5636

■ 27.6941, 26.2712,
33.6309

■ 9.6229, 17.5662,
5.1778

■ 31.4578, 28.0895,
39.3185

■ 9.0725, 17.3046,
4.1521

■ 35.6211, 30.1015,
45.5760

■ 8.7309, 17.1436,
3.4529

■ 40.1953, 32.3129,
52.4189

■ 8.5930, 17.0781,
3.1973

■ 45.1914, 34.7289,
59.8616

■ 50.6197, 37.3546,
67.9185

Harmonies

Analogous

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



17.9642, 20.8164, 13.1042



16.3906, 20.8164, 16.2508



15.7272, 20.8164, 21.6682

Triad

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



16.3906, 20.8164, 16.2508



19.4340, 20.8164, 37.6353



24.0192, 20.8164, 17.6962

Complementary

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



16.3906, 20.8164, 16.2508



18.5826, 16.0148, 23.5853

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.



24.4877, 20.8164, 23.6930



16.3906, 20.8164, 16.2508



21.7256, 20.8164, 36.0164

Square

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



16.3906, 20.8164, 16.2508



17.3962, 20.8164, 34.6554



23.6192, 20.8164, 30.5788



22.3838, 20.8164, 13.8194

Rectangle

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



16.3906, 20.8164, 16.2508



15.8500, 20.8164, 26.1630



23.6192, 20.8164, 30.5788



24.3235, 20.8164, 19.4945

Sweetspot

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



16.3912, 20.8173, 16.2513



36.3253, 40.2668, 40.2108



20.2738, 22.8362, 15.6513



8.1349, 9.0482, 8.9838



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.



16.3912, 20.8173, 16.2513



26.7319, 35.6424, 25.2467



17.2979, 21.1800, 21.0260



4.6322, 5.2111, 5.0746



8.0546, 16.0047, 3.0069



0.0289, 0.0559, 0.0159

Inverse Universe

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



18.5826, 16.0148, 23.5853



31.3363, 25.5494, 40.6538



17.5660, 15.6081, 18.2316



4.8401, 4.7557, 5.7704



12.4970, 6.0631, 17.7214



0.0446, 0.0215, 0.0684

Previews

White Background



This preview shows how the XYZ color 16.3906, 20.8164, 16.2508 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 16.3906, 20.8164, 16.2508 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 16.3906, 20.8164, 16.2508

Background



This preview shows how black text looks on a background with the XYZ color 16.3906, 20.8164, 16.2508.



This preview shows how white text looks on a background with the XYZ color 16.3906, 20.8164,

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

16.3906, 20.8164, 16.2508

Protanopia

19.3067, 20.5739, 15.0102

Deuteranopia

20.9928, 20.6656, 16.7923



Tritanopia

18.6473, 20.7198, 27.8274

Trichromacy



Original Color

16.3906, 20.8164, 16.2508

Protanomaly

17.9533, 20.4429, 15.3115

Deuteranomaly

18.9645, 20.5515, 16.6030

Tritanomaly

17.7728, 20.7682, 23.1506

Monochromacy



Original Color

16.3906, 20.8164, 16.2508

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.4948, 19.7369, 19.1072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3906, 20.8164, 16.2508 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(101, 134, 104)` looks like.

```
.text, #text, p{  
    color:rgb(101, 134, 104)  
}
```

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(101, 134, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 134, 104) }
```

Border

The CSS property to change the border of an element to XYZ 16.3906, 20.8164, 16.2508 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(101, 134, 104) }
```


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

```
.border{ border-color:rgb(101, 134, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 134, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 134, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 134, 104);  
box-shadow:4px 4px 4px 4px rgb(101, 134,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3906, 20.8164, 16.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 134, 104) }
```

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

```
.background{ background-color: rgb(101,  
134, 104) }
```

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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