

Converting Colors

XYZ(20.7840, 25.4521, 20.7396)

Have a look what the booklet for
XYZ(20.7840, 25.4521, 20.7396)
contains.

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Color

**XYZ(20.6724, 25.3171,
20.6268)**

Conversions

Conversions Part 1

Format	Color
Hex	759175
RGB	117, 145, 117
RGB Percent	46%, 57%, 46%
CMY	0.5412, 0.4314, 0.5412
CMYK	0.19, 0.00, 0.19, 0.43
HSL	120°, 11%, 51%
HSV	120°, 19%, 57%
XYZ	20.6724, 25.3171, 20.6268
YIQ	133.4360, -7.7000, -14.6440

Conversions

Conversions Part 2

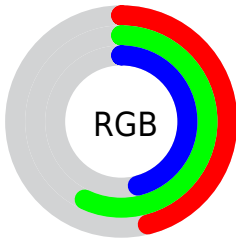
Format	Color
RYB	117, 145, 145
Decimal	7704949
CIELab	57.38, -15.62, 11.66
CIElCh	57, 19.487, 143.256
Yxy	25.3171, 0.3103, 0.3800
Android (android.graphics.Color)	4285895029 (0xFF759175)
YUV	133.4360, -8.1029, -14.4144
Hunter-Lab	50.3161, -14.7163, 10.9157

Details

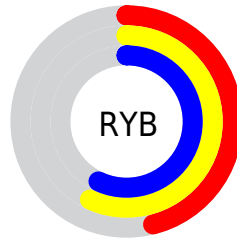
The XYZ color **20.6724, 25.3171, 20.6268** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.1500, 20.7872, 29.5813**, and the grayscale version is **22.4846, 23.6555, 25.7609**.

A 20% lighter version of the original color is **43.9470, 52.1464, 45.2851**, and **7.4608, 9.6640, 7.1023** is the 20% darker color. If you saturate the color by 10%, you get **18.0855, 24.0752, 16.3949**, and if you desaturate by 10%, it is **23.6946, 26.7696, 25.5695**.

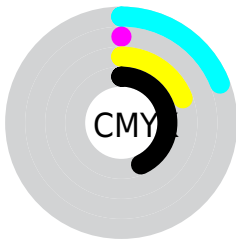
Distribution



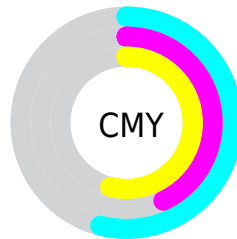
- Red (46%)
- Green (57%)
- Blue (46%)



- Red (46%)
- Yellow (57%)
- Blue (57%)



- Cyan (19%)
- Magenta (0%)
- Yellow (19%)
- Black (43%)



- Cyan (54%)
- Magenta (43%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6724, 25.3171, 20.6268 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 20.6724, 25.3171, 20.6268 by changing the saturation by 10% instead.

■ 20.6724, 25.3171,
20.6268

■ 20.6724, 25.3171,
20.6268

248.2971,
279.4135, 268.0040

■ 12.9958, 16.3135,
12.6629

■ 44.0371, 52.1712,
45.3383

■ 7.5027, 9.7462,
7.0688

■ 60.4559, 70.7904,
62.9230

■ 3.8275, 5.2310,
3.4261

■ 80.5195, 93.3837,
84.5516

■ 1.6050, 2.3834,
1.3161

104.5933,
120.3353, 110.6429

■ 0.3957, 0.8174,
0.0749

133.0426,
152.0297, 141.6152

■ 0.0000, 0.0000,
0.0000

166.2328,

188.8512, 177.8871

204.5292,
231.1844, 219.8772

■ 20.6724, 25.3171,
20.6268

■ 20.6724, 25.3171,
20.6268

■ 18.0855, 24.0752,
16.3949

■ 23.6946, 26.7696,
25.5695

■ 15.9119, 23.0312,
12.8397

■ 27.1686, 28.4383,
31.2518

■ 14.1309, 22.1756,
9.9264

■ 31.1127, 30.3329,
37.7030

■ 12.7190, 21.4974,
7.6170

■ 35.5435, 32.4612,
44.9502

■ 11.6503, 20.9841,
5.8689

■ 40.4768, 34.8309,
53.0193

■ 10.8957, 20.6216,
4.6345

■ 45.9276, 37.4492,
61.9350

■ 10.4210, 20.3936,
3.8580

■ 51.9105, 40.3231,
71.7208

■ 10.1439, 20.2605,
3.4048

■ 58.4393, 43.4593,
82.3996

■ 10.1259, 20.2519,
3.3754

■ 65.5274, 46.8640,
93.9931

Harmonies

Analogous

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



22.3495, 25.3171, 17.4417



20.6724, 25.3171, 20.6268



19.9112, 25.3171, 26.0972

Triad

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



20.6724, 25.3171, 20.6268



23.5447, 25.3171, 42.2482



28.3848, 25.3171, 22.8365

Complementary

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



20.6724, 25.3171, 20.6268



23.1500, 20.7872, 29.5813

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.



28.7555, 25.3171, 29.0889



20.6724, 25.3171, 20.6268



25.8622, 25.3171, 41.0021

Square

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



20.6724, 25.3171, 20.6268



21.4994, 25.3171, 39.0839



27.8058, 25.3171, 35.9094



26.8230, 25.3171, 18.5674

Rectangle

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



20.6724, 25.3171, 20.6268



19.9887, 25.3171, 30.5911



27.8058, 25.3171, 35.9094



28.6568, 25.3171, 24.7473

Sweetspot

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



20.6731, 25.3182, 20.6274



44.3244, 48.8473, 48.8853



25.0145, 27.5563, 20.8303



9.7853, 10.8305, 10.7521



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.6731, 25.3182, 20.6274



34.9970, 44.3668, 33.6288



21.5590, 25.6725, 25.2924



5.3429, 6.0294, 5.7716



8.6849, 17.3698, 2.8951



0.0830, 0.1661, 0.0277

Inverse Universe

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



23.1500, 20.7872, 29.5813



40.2357, 34.7838, 52.5661



22.1359, 20.3815, 24.2408



5.6263, 5.5110, 6.7959



14.3993, 6.9167, 23.5517



0.1377, 0.0661, 0.2252

Previews

White Background



This preview shows how the XYZ color 20.6724, 25.3171, 20.6268 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 20.6724, 25.3171, 20.6268 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 20.6724, 25.3171, 20.6268

Background



This preview shows how black text looks on a background with the XYZ color 20.6724, 25.3171, 20.6268.



This preview shows how white text looks on a background with the XYZ color 20.6724, 25.3171,

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

20.6724, 25.3171, 20.6268

Protanopia

23.6034, 25.1033, 19.2242

Deuteranopia

25.5461, 25.0267, 21.2535



Tritanopia

23.1324, 25.2015, 32.9233

Trichromacy



Original Color

20.6724, 25.3171, 20.6268

Protanomaly

22.4070, 25.1220, 19.5876

Deuteranomaly

23.4308, 24.9740, 21.0383

Tritanomaly

22.2184, 25.2750, 28.1336

Monochromacy



Original Color

20.6724, 25.3171, 20.6268

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.5288, 23.9357, 23.5640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6724, 25.3171, 20.6268 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(117, 145, 117)` looks like.

```
.text, #text, p{  
    color:rgb(117, 145, 117)  
}
```

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(117, 145, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 145, 117) }
```

Border

The CSS property to change the border of an element to XYZ 20.6724, 25.3171, 20.6268 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(117, 145, 117) }
```


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

```
.border{ border-color:rgb(117, 145, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 145, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 145, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 145, 117);  
box-shadow:4px 4px 4px 4px rgb(117, 145,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6724, 25.3171, 20.6268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 145, 117) }
```

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

```
.background{ background-color: rgb(117,  
145, 117) }
```

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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