

Converting Colors

XYZ(21.2810, 26.5089, 20.4373)

Have a look what the booklet for
XYZ(21.2810, 26.5089, 20.4373)
contains.

XYZ(21.3710, 26.6074, 20.5324)	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(21.3710, 26.6074,
20.5324)**

Conversions

Conversions Part 1

Format	Color
Hex	769574
RGB	118, 149, 116
RGB Percent	46%, 58%, 45%
CMY	0.5373, 0.4157, 0.5451
CMYK	0.21, 0.00, 0.22, 0.42
HSL	116°, 13%, 52%
HSV	116°, 22%, 58%
XYZ	21.3710, 26.6074, 20.5324
YIQ	135.9690, -7.8830, -16.8350

Conversions

Conversions Part 2

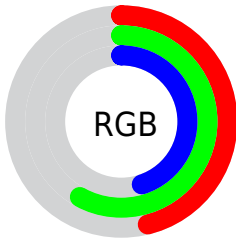
Format	Color
R_{YB}	116, 149, 147
Decimal	7771508
CIE _{Lab}	58.61, -17.55, 13.95
CIE _{LCh}	59, 22.417, 141.526
Yxy	26.6074, 0.3119, 0.3884
Android (android.graphics.Color)	4285961588 (0xFF769574)
YUV	135.9690, -9.8447, -15.7588
Hunter-Lab	51.5824, -16.3151, 12.5072

Details

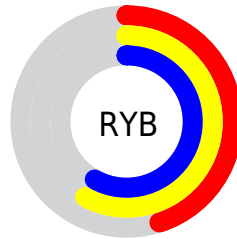
The XYZ color **21.3710, 26.6074, 20.5324** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.7041, 20.8646, 31.2131**, and the grayscale version is **23.4285, 24.6486, 26.8423**.

A 20% lighter version of the original color is **45.2184, 54.1970, 45.1236**, and **7.8653, 10.4179, 7.0652** is the 20% darker color. If you saturate the color by 10%, you get **18.8111, 25.3807, 16.2454**, and if you desaturate by 10%, it is **24.3535, 28.0374, 25.5660**.

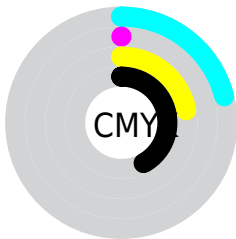
Distribution



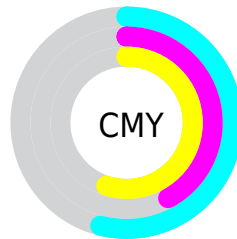
- Red (46%)
- Green (58%)
- Blue (45%)



- Red (45%)
- Yellow (58%)
- Blue (58%)



- Cyan (21%)
- Magenta (0%)
- Yellow (22%)
- Black (42%)



- Cyan (54%)
- Magenta (42%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3710, 26.6074, 20.5324 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 21.3710, 26.6074, 20.5324 by changing the saturation by 10% instead.

■ 21.3710, 26.6074,
20.5324

■ 21.3710, 26.6074,
20.5324

251.9382,
285.7512, 267.4818

■ 13.5095, 17.2786,
12.5947

■ 45.1908, 54.2532,
45.1786

■ 7.8597, 10.4333,
7.0226

■ 61.8798, 73.3390,
62.7243

■ 4.0564, 5.6872,
3.3976

■ 82.2420, 96.4459,
84.3097

■ 1.7341, 2.6558,
1.3011

106.6427,
123.9584, 110.3534

■ 0.4775, 0.9548,
0.0627

135.4473,
156.2607, 141.2739

■ 0.0000, 0.0000,
0.0000

169.0212,

193.7374, 177.4898

207.7297,
236.7727, 219.4196

■ 21.3710, 26.6074,
20.5324

■ 21.3710, 26.6074,
20.5324

■ 18.8111, 25.3807,
16.2454

■ 24.3535, 28.0374,
25.5660

■ 16.6527, 24.3450,
12.6679

■ 27.7743, 29.6758,
31.3776

■ 14.8760, 23.4915,
9.7622

■ 31.6508, 31.5317,
37.9988

■ 13.4588, 22.8098,
7.4863

■ 35.9989, 33.6126,
45.4591

■ 12.3764, 22.2882,
5.7936

■ 40.8338, 35.9258,
53.7862

■ 11.6013, 21.9136,
4.6311

■ 46.1700, 38.4781,
63.0069

■ 11.1013, 21.6707,
3.9360

■ 52.0211, 41.2761,
73.1466

■ 10.8610, 21.5542,
3.5879

■ 58.4007, 44.3262,
84.2298

■ 65.3214, 47.6344,
96.2800

Harmonies

Analogous

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



23.3982, 26.6074, 17.0419



21.3710, 26.6074, 20.5324



20.4110, 26.6074, 26.7958

Triad

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



21.3710, 26.6074, 20.5324



24.5182, 26.6074, 46.6822



30.5352, 26.6074, 23.7613

Complementary

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



21.3710, 26.6074, 20.5324



23.7041, 20.8646, 31.2131

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.



30.8893, 26.6074, 31.2607



21.3710, 26.6074, 20.5324



27.2801, 26.6074, 45.4682

Square

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



21.3710, 26.6074, 20.5324



22.1398, 26.6074, 42.5200



29.6600, 26.6074, 39.4529



28.7246, 26.6074, 18.6574

Rectangle

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



21.3710, 26.6074, 20.5324



20.4535, 26.6074, 32.1039



29.6600, 26.6074, 39.4529



30.8335, 26.6074, 26.0487

Sweetspot

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



21.3717, 26.6085, 20.5330



46.5785, 51.6299, 50.8157



25.9507, 28.4572, 20.6485



10.2542, 11.4092, 11.1456



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.3717, 26.6085, 20.5330



35.7047, 46.4192, 32.4626



22.0002, 26.8289, 25.2446



5.7602, 6.4842, 6.1884



9.1499, 18.1448, 3.0201



0.1184, 0.2254, 0.0373

Inverse Universe

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



23.7041, 20.8646, 31.2131



40.7032, 34.1045, 55.3588



22.9929, 20.6219, 25.5806



6.0010, 5.8915, 7.2906



13.6738, 6.5217, 24.4692



0.1758, 0.0842, 0.2999

Previews

White Background



This preview shows how the XYZ color 21.3710, 26.6074, 20.5324 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 21.3710, 26.6074, 20.5324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

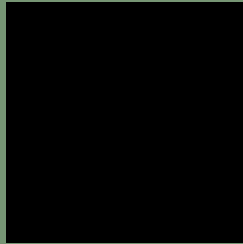
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3710, 26.6074, 20.5324

Background



This preview shows how black text looks on a background with the XYZ color 21.3710, 26.6074, 20.5324.



This preview shows how white text looks on a background with the XYZ color 21.3710, 26.6074,

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

21.3710, 26.6074, 20.5324

Protanopia

24.6971, 26.3156, 19.1070

Deuteranopia

26.8940, 26.3412, 21.1197



Tritanopia

24.3471, 26.6730, 34.8755

Trichromacy



Original Color

21.3710, 26.6074, 20.5324

Protanomaly

23.2843, 26.2404, 19.4605

Deuteranomaly

24.5022, 26.1752, 20.9005

Tritanomaly

23.1126, 26.6184, 29.1190

Monochromacy



Original Color

21.3710, 26.6074, 20.5324

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.5406, 25.3019, 24.4646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3710, 26.6074, 20.5324 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(118, 149, 116)` looks like.

```
.text, #text, p{  
    color:rgb(118, 149, 116)  
}
```

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(118, 149, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 149, 116) }
```

Border

The CSS property to change the border of an element to XYZ 21.3710, 26.6074, 20.5324 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(118, 149, 116) }
```


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

```
.border{ border-color:rgb(118, 149, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 149, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 149, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 149, 116);  
box-shadow:4px 4px 4px 4px rgb(118, 149,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3710, 26.6074, 20.5324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 149, 116) }
```

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

```
.background{ background-color: rgb(118,  
149, 116) }
```

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