

Converting Colors

XYZ(51.6675, 41.5422, 20.5485)

Have a look what the booklet for
XYZ(51.6675, 41.5422, 20.5485)
contains.

XYZ(51.5613, 41.5018, 20.6223)	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(51.5613, 41.5018,
20.6223)**

Conversions

Conversions Part 1

Format	Color
Hex	F79270
RGB	247, 146, 112
RGB Percent	97%, 57%, 44%
CMY	0.0314, 0.4274, 0.5608
CMYK	0.00, 0.41, 0.55, 0.03
HSL	15°, 89%, 70%
HSV	15°, 55%, 97%
XYZ	51.5613, 41.5018, 20.6223
YIQ	172.3230, 71.1100, 10.8380

Conversions

Conversions Part 2

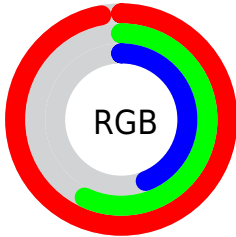
Format	Color
R _Y B	247, 157, 112
Decimal	16224880
CIE Lab	70.53, 34.83, 34.33
CIE LCh	71, 48.901, 44.584
Yxy	41.5018, 0.4535, 0.3651
Android (android.graphics.Color)	4294414960 (0xFFFF79270)
YUV	172.3230, -29.7392, 65.4917
Hunter-Lab	64.4219, 30.1276, 26.1158

Details

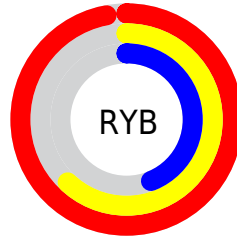
The XYZ color **51.5613, 41.5018, 20.6223** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.2634, 57.7456, 96.6503**, and the grayscale version is **39.4982, 41.5552, 45.2536**.

A 20% lighter version of the original color is **68.8275, 65.7136, 44.1784**, and **25.3934, 18.9291, 7.0179** is the 20% darker color. If you saturate the color by 10%, you get **47.7481, 35.7829, 13.4717**, and if you desaturate by 10%, it is **56.2140, 48.2966, 29.9141**.

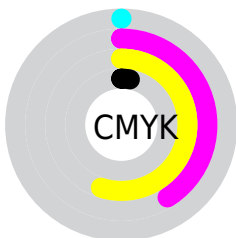
Distribution



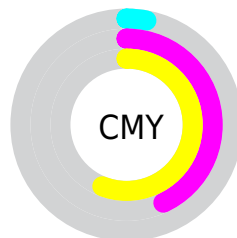
- Red (97%)
- Green (57%)
- Blue (44%)



- Red (97%)
- Yellow (62%)
- Blue (44%)



- Cyan (0%)
- Magenta (41%)
- Yellow (55%)
- Black (3%)




- Cyan (3%)
- Magenta (43%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5613, 41.5018, 20.6223 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 51.5613, 41.5018, 20.6223 by changing the saturation by 10% instead.


 51.5613, 41.5018,
20.6223


 51.5613, 41.5018,
20.6223


383.0925,
352.4135, 267.9792


 36.8784, 28.7114,
12.6597


 91.6620, 77.4451,
45.3307


 25.2866, 18.8626,
7.0666


 117.8105,
101.3667, 62.9135

 16.4206, 11.5710,
3.4247


 148.5115,
129.7675, 84.5401

 9.9150, 6.4523,
1.3154

 184.1304,
163.0320, 110.6291

 5.4044, 3.1220,
0.0743

225.0327,
201.5444, 141.5989

 2.5236, 1.1958,
0.0000

271.5835,

 0.9072, 0.0582,

245.6892, 177.8682

0.0000

324.1483,
295.8508, 219.8554

■ 0.0000, 0.0000,
0.0000

■ 51.5613, 41.5018,
20.6223

■ 51.5613, 41.5018,
20.6223

■ 47.7481, 35.7829,
13.4717

■ 56.2140, 48.2966,
29.9141

■ 44.7178, 31.0767,
8.2860

■ 61.7520, 56.2133,
41.4996

■ 42.4106, 27.3227,
4.8639

■ 68.2210, 65.3029,
55.5199

■ 40.7551, 24.4506,
2.9590

■ 75.6626, 75.6114,
72.1040

■ 40.0922, 23.2432,
2.3733

■ 84.1160, 87.1821,
91.3719

92.1676, 98.5141,
108.7651

Harmonies

Analogous

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



56.4485, 41.5018, 34.8972



51.5613, 41.5018, 20.6223



43.7162, 41.5018, 14.4610

Triad

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



51.5613, 41.5018, 20.6223



26.2993, 41.5018, 34.3753



43.4836, 41.5018, 103.2792

Complementary

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



51.5613, 41.5018, 20.6223



47.2634, 57.7456, 96.6503

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.



35.4637, 41.5018, 102.9897



51.5613, 41.5018, 20.6223



26.2548, 41.5018, 57.3267

Square

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



51.5613, 41.5018, 20.6223



29.5262, 41.5018, 20.3531



29.3951, 41.5018, 84.1093



51.3711, 41.5018, 84.8014

Rectangle

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



51.5613, 41.5018, 20.6223



38.2191, 41.5018, 13.7901



29.3951, 41.5018, 84.1093



40.6993, 41.5018, 105.5330

Sweetspot

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



51.5623, 41.5039, 20.6231



80.1873, 79.6936, 74.9084



56.1939, 36.1795, 67.1389



16.7980, 16.5533, 15.2142



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



51.5623, 41.5039, 20.6231



50.8108, 37.6686, 13.5454



65.1395, 68.6583, 25.1488



16.8383, 17.1607, 17.2224



21.2983, 12.4822, 1.2868



1.9506, 1.2544, 0.1393

Inverse Universe

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



47.2634, 57.7456, 96.6503



45.6477, 56.6222, 103.1310



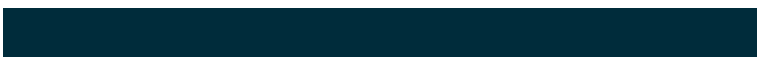
33.7112, 30.6413, 92.1329



16.6226, 18.0095, 21.1426



18.1491, 22.0920, 49.8456



1.6764, 2.1043, 4.4080

Previews

White Background



This preview shows how the XYZ color 51.5613, 41.5018, 20.6223 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 51.5613, 41.5018, 20.6223 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 ✓ Pass

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

XYZ 51.5613, 41.5018, 20.6223

Background



This preview shows how black text looks on a background with the XYZ color 51.5613, 41.5018, 20.6223.



This preview shows how white text looks on a background with the XYZ color 51.5613, 41.5018,

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

51.5613, 41.5018, 20.6223

Protanopia

38.7684, 41.7563, 24.7553

Deuteranopia

42.4564, 41.5483, 19.9693



Tritanopia

54.5351, 41.6081, 34.4350

Trichromacy



Original Color

51.5613, 41.5018, 20.6223

Protanomaly

42.4394, 40.9362, 23.1174

Deuteranomaly

45.4186, 41.2458, 20.0354

Tritanomaly

53.4047, 41.5908, 28.8800

Monochromacy



Original Color

51.5613, 41.5018, 20.6223

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

42.1554, 40.5385, 34.4570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5613, 41.5018, 20.6223 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(247, 146, 112)` looks like.

```
.text, #text, p{  
    color:rgb(247, 146, 112)  
}
```

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(247, 146, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 146, 112) }
```

Border

The CSS property to change the border of an element to XYZ 51.5613, 41.5018, 20.6223 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(247, 146, 112) }
```


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

```
.border{ border-color:rgb(247, 146, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 146, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 146, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 146, 112);  
box-shadow:4px 4px 4px 4px rgb(247, 146,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5613, 41.5018, 20.6223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 146, 112) }
```

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

```
.background{ background-color: rgb(247,  
146, 112) }
```

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