

Converting Colors

XYZ(20.3088, 14.8726, 53.7274)

Have a look what the booklet for
XYZ(20.3088, 14.8726, 53.7274)
contains.

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Color

**XYZ(20.3870, 14.9124,
54.0284)**

Conversions

Conversions Part 1

Format	Color
Hex	705BC4
RGB	112, 91, 196
RGB Percent	44%, 36%, 77%
CMY	0.5608, 0.6431, 0.2314
CMYK	0.43, 0.54, 0.00, 0.23
HSL	252°, 47%, 56%
HSV	252°, 54%, 77%
XYZ	20.3870, 14.9124, 54.0284
YIQ	109.2490, -21.1890, 37.1070

Conversions

Conversions Part 2

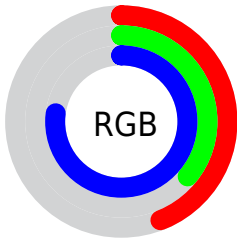
Format	Color
R_{YB}	112, 91, 196
Decimal	7363524
CIE _{Lab}	45.51, 34.15, -52.28
CIE _{LCh}	46, 62.447, 303.157
Yxy	14.9124, 0.2282, 0.1669
Android (android.graphics.Color)	4285553604 (0xFF705BC4)
YUV	109.2490, 42.7682, 2.4126
Hunter-Lab	38.6166, 26.6572, -55.9210

Details

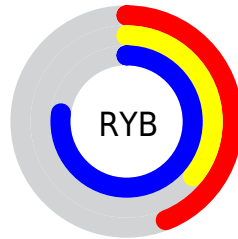
The XYZ color **20.3870, 14.9124, 54.0284** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted purple. A complement of this color would be **39.3070, 49.3491, 17.3514**, and the grayscale version is **14.4937, 15.2485, 16.6056**.

A 20% lighter version of the original color is **43.5511, 34.7627, 97.3430**, and **7.3393, 4.5652, 25.6937** is the 20% darker color. If you saturate the color by 10%, you get **17.1008, 11.0476, 53.4559**, and if you desaturate by 10%, it is **24.4594, 19.8323, 54.7637**.

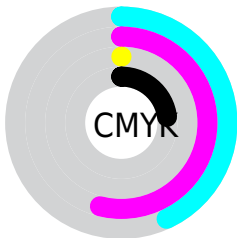
Distribution



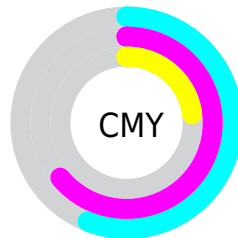
- Red (44%)
- Green (36%)
- Blue (77%)



- Red (44%)
- Yellow (36%)
- Blue (77%)



- Cyan (43%)
- Magenta (54%)
- Yellow (0%)
- Black (23%)



- Cyan (56%)
- Magenta (64%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3870, 14.9124, 54.0284 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 20.3870, 14.9124, 54.0284 by changing the saturation by 10% instead.

■ 20.3870, 14.9124,
54.0284

■ 20.3870, 14.9124,
54.0284

246.7964,
222.8354, 419.3960

■ 12.7866, 8.7579,
38.2310

■ 43.5641, 34.6994,
97.5728

■ 7.3577, 4.5836,
25.8588

■ 59.8714, 49.1008,
126.1568

■ 3.7351, 2.0051,
16.4932

■ 79.8118, 67.0199,
159.8403

■ 1.5534, 0.6104,
9.7157

■ 103.7506, 88.8411,
199.0415

■ 0.3617, 0.0000,
5.1078

132.0530,
114.9489, 244.1792

■ 0.0000, 0.0000,
2.2508

165.0846,

■ 0.0000, 0.0000,

145.7276, 295.6718

0.7034

203.2106,
181.5616, 353.9379

■ 0.0000, 0.0000,
0.0000

■ 20.3870, 14.9124,
54.0284

■ 20.3870, 14.9124,
54.0284

■ 17.1008, 11.0476,
53.4559

■ 24.4594, 19.8323,
54.7637

■ 14.5460, 8.1575,
53.0327

■ 29.3639, 25.8765,
55.6719

■ 12.6635, 6.1521,
52.7449

■ 35.1450, 33.1101,
56.7634

■ 11.3832, 4.9234,
52.5752

■ 41.8434, 41.5928,
58.0477

■ 10.8084, 4.4209,
52.5085

■ 49.4973, 51.3802,
59.5334

■ 58.1427, 62.5245,
61.2288

■ 67.8135, 75.0750,
63.1416

■ 78.5423, 89.0786,
65.2791

■ 86.2752, 96.4105,
66.2867

Harmonies

Analogous

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



14.7325, 14.9124, 65.0100



20.3870, 14.9124, 54.0284



25.1185, 14.9124, 32.9362

Triad

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



20.3870, 14.9124, 54.0284



19.1938, 14.9124, 1.7363



6.3415, 14.9124, 17.8685

Complementary

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



20.3870, 14.9124, 54.0284



39.3070, 49.3491, 17.3514

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.



6.9845, 14.9124, 6.4244



20.3870, 14.9124, 54.0284



13.6294, 14.9124, 1.1363

Square

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



20.3870, 14.9124, 54.0284



24.3194, 14.9124, 5.0597



9.3717, 14.9124, 2.1170



7.3343, 14.9124, 37.5178

Rectangle

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



20.3870, 14.9124, 54.0284



26.6234, 14.9124, 19.8996



9.3717, 14.9124, 2.1170



6.3744, 14.9124, 13.0540

Sweetspot

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



20.3877, 14.9129, 54.0288



72.3822, 71.0011, 104.4974



29.6084, 36.8699, 57.7809



14.9401, 14.4964, 22.2606



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.



20.3877, 14.9129, 54.0288



30.2365, 19.1580, 96.7120



29.1184, 19.4138, 54.4374



9.7123, 9.8428, 12.6728



7.0021, 2.8701, 33.7416



0.3596, 0.1534, 1.4605

Inverse Universe

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



34.2439, 22.3132, 43.0581



58.2823, 34.1727, 72.8811



29.7256, 44.4097, 16.9030



10.4082, 10.2119, 12.2399



18.5578, 9.1129, 21.3811



0.8243, 0.4027, 1.0423

Previews

White Background



This preview shows how the XYZ color 20.3870, 14.9124, 54.0284 looks on a white 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

Black Background



This preview shows how the XYZ color 20.3870, 14.9124, 54.0284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

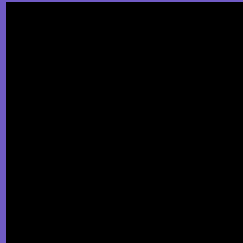
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.3870, 14.9124, 54.0284

Background



This preview shows how black text looks on a background with the XYZ color 20.3870, 14.9124, 54.0284.



This preview shows how white text looks on a background with the XYZ color 20.3870, 14.9124,

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

20.3870, 14.9124, 54.0284

Protanopia

17.6219, 15.0892, 62.9565

Deuteranopia

15.4351, 14.9761, 51.9463



Tritanopia

13.4199, 14.8109, 19.6043

Trichromacy



Original Color

20.3870, 14.9124, 54.0284

Protanomaly

17.9355, 14.5967, 59.6297

Deuteranomaly

16.1219, 14.2525, 52.3534

Tritanomaly

15.3722, 14.5164, 29.5955

Monochromacy



Original Color

20.3870, 14.9124, 54.0284

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.9895, 14.7408, 27.2018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3870, 14.9124, 54.0284 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(112, 91, 196)` looks like.

```
.text, #text, p{  
    color:rgb(112, 91, 196)  
}
```

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(112, 91, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 91, 196) }
```

Border

The CSS property to change the border of an element to XYZ 20.3870, 14.9124, 54.0284 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(112, 91, 196) }
```


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

```
.border{ border-color:rgb(112, 91, 196) }
```

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

Here you see how a box with a 4 pixel rgb(112, 91, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 91, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 91, 196);  
box-shadow:4px 4px 4px 4px rgb(112, 91,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3870, 14.9124, 54.0284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 91, 196) }
```

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

```
.background{ background-color: rgb(112, 91,  
196) }
```

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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