

Converting Colors

XYZ(12.5244, 10.4043, 20.4169)

Have a look what the booklet for
XYZ(12.5244, 10.4043, 20.4169)
contains.

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Color

**XYZ(12.5244, 10.4043,
20.4169)**

Conversions

Conversions Part 1

Format	Color
Hex	6A517C
RGB	106, 81, 124
RGB Percent	42%, 32%, 49%
CMY	0.5843, 0.6823, 0.5137
CMYK	0.15, 0.35, 0.00, 0.51
HSL	275°, 21%, 40%
HSV	275°, 35%, 49%
XYZ	12.5244, 10.4043, 20.4169
YIQ	93.3770, 1.0970, 18.6730

Conversions

Conversions Part 2

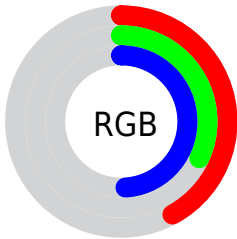
Format	Color
R_{YB}	106, 81, 124
Decimal	6967676
CIE _{Lab}	38.56, 19.27, -20.41
CIE _{LCh}	39, 28.067, 313.356
Yxy	10.4043, 0.2889, 0.2400
Android (android.graphics.Color)	4285157756 (0xFF6A517C)
YUV	93.3770, 15.0971, 11.0704
Hunter-Lab	32.2557, 12.8614, -14.9498

Details

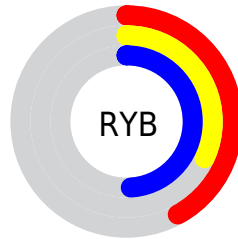
The XYZ color **12.5244, 10.4043, 20.4169** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **13.8388, 17.6623, 10.4649**, and the grayscale version is **10.4585, 11.0032, 11.9825**.

A 20% lighter version of the original color is **30.1527, 26.6760, 45.1547**, and **3.6458, 2.6693, 6.9797** is the 20% darker color. If you saturate the color by 10%, you get **11.0875, 8.4185, 20.1095**, and if you desaturate by 10%, it is **14.1676, 12.7468, 20.7826**.

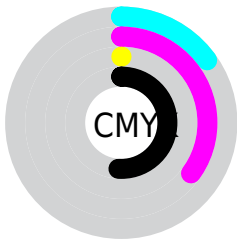
Distribution



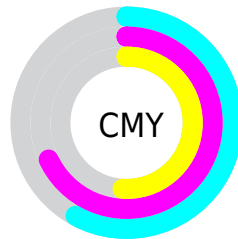
- Red (42%)
- Green (32%)
- Blue (49%)



- Red (42%)
- Yellow (32%)
- Blue (49%)



- Cyan (15%)
- Magenta (35%)
- Yellow (0%)
- Black (51%)



- Cyan (58%)
- Magenta (68%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5244, 10.4043, 20.4169 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 12.5244, 10.4043, 20.4169 by changing the saturation by 10% instead.

■ 12.5244, 10.4043,
20.4169

■ 12.5244, 10.4043,
20.4169

201.5465,
193.5338, 266.8417

■ 7.1766, 5.6678,
12.5114

■ 30.0553, 26.5532,
44.9832

■ 3.6201, 2.6442,
6.9662

■ 42.9691, 38.7345,
62.4810

■ 1.4895, 0.9489,
3.3628

■ 59.1356, 54.1661,
84.0133

■ 0.3187, 0.0000,
1.2828

■ 78.9203, 73.2325,
109.9987

■ 0.0000, 0.0000,
0.0476

■ 102.6883, 96.3181,
140.8557

■ 0.0000, 0.0000,
0.0000

130.8051,

123.8072, 177.0029

163.6361,
156.0843, 218.8587

■ 12.5244, 10.4043,
20.4169

■ 12.5244, 10.4043,
20.4169

■ 11.0875, 8.4185,
20.1095

■ 14.1676, 12.7468,
20.7826

■ 9.8461, 6.7695,
19.8566

■ 16.0253, 15.4620,
21.2088

■ 8.7898, 5.4372,
19.6551

■ 18.1062, 18.5664,
21.6983

■ 7.9067, 4.3988,
19.5013

■ 20.4185, 22.0753,
22.2537

■ 7.1833, 3.6286,
19.3907

■ 22.9697, 26.0029,
22.8774

6.6002, 3.0887,
19.3172

25.7670, 30.3629,
23.5715

6.3176, 2.8365,
19.2835

28.8175, 35.1684,
24.3383

32.1278, 40.4317,
25.1797

35.7041, 46.1647,
26.0978

Harmonies

Analogous

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



10.7296, 10.4043, 24.3360



12.5244, 10.4043, 20.4169



13.6841, 10.4043, 14.4883

Triad

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



12.5244, 10.4043, 20.4169



10.9382, 10.4043, 4.1257



6.8286, 10.4043, 13.8361

Complementary

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



12.5244, 10.4043, 20.4169



13.8388, 17.6623, 10.4649

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.



6.8697, 10.4043, 8.6652



12.5244, 10.4043, 20.4169



9.0934, 10.4043, 4.0494

Square

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



12.5244, 10.4043, 20.4169



12.6933, 10.4043, 5.6955



7.6519, 10.4043, 5.4393



7.5314, 10.4043, 19.8136

Rectangle

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



12.5244, 10.4043, 20.4169



13.8615, 10.4043, 10.7452



7.6519, 10.4043, 5.4393



6.7587, 10.4043, 11.9325

Sweetspot

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



12.5247, 10.4047, 20.4171



29.7765, 29.5477, 37.6905



11.5539, 12.2492, 20.8243



6.9139, 6.8118, 8.8535



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.5247, 10.4047, 20.4171



19.9113, 15.3590, 35.4718



14.7143, 11.5541, 19.5869



4.0000, 3.9979, 5.0040



6.4193, 2.8820, 19.6032



29.6340, 13.2389, 93.4633

Inverse Universe

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



13.5071, 11.0712, 13.2299



22.0345, 16.7914, 20.3047



12.1964, 16.8029, 10.9611



4.0614, 4.0403, 4.5212



9.0769, 4.6069, 3.6957



42.8928, 21.8135, 15.4975

Previews

White Background



This preview shows how the XYZ color 12.5244, 10.4043, 20.4169 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 12.5244, 10.4043, 20.4169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

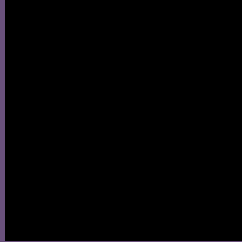
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5244, 10.4043, 20.4169

Background



This preview shows how black text looks on a background with the XYZ color 12.5244, 10.4043, 20.4169.



This preview shows how white text looks on a background with the XYZ color 12.5244, 10.4043,

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

12.5244, 10.4043, 20.4169

Protanopia

10.8948, 10.5707, 22.9389

Deuteranopia

10.6487, 10.5113, 19.8800



Tritanopia

10.7954, 10.3912, 12.0264

Trichromacy



Original Color

12.5244, 10.4043, 20.4169

Protanomaly

11.3290, 10.4496, 21.8419

Deuteranomaly

11.2977, 10.4706, 20.1645

Tritanomaly

11.3918, 10.4005, 14.7717

Monochromacy



Original Color

12.5244, 10.4043, 20.4169

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.1081, 10.7409, 14.5844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5244, 10.4043, 20.4169 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(106, 81, 124)` looks like.

```
.text, #text, p{  
    color:rgb(106, 81, 124)  
}
```

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(106, 81, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 81, 124) }
```

Border

The CSS property to change the border of an element to XYZ 12.5244, 10.4043, 20.4169 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(106, 81, 124) }
```


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

```
.border{ border-color:rgb(106, 81, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 81, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 81, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 81, 124);  
box-shadow:4px 4px 4px 4px rgb(106, 81,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5244, 10.4043, 20.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 81, 124) }
```

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

```
.background{ background-color: rgb(106, 81,  
124) }
```

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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