

Converting Colors

XYZ(12.1432, 12.2579, 15.7157)

Have a look what the booklet for
XYZ(12.1432, 12.2579, 15.7157)
contains.

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Color

**XYZ(12.1841, 12.3203,
15.6458)**

Conversions

Conversions Part 1

Format	Color
Hex	64616B
RGB	100, 97, 107
RGB Percent	39%, 38%, 42%
CMY	0.6078, 0.6196, 0.5804
CMYK	0.07, 0.09, 0.00, 0.58
HSL	258°, 5%, 40%
HSV	258°, 9%, 42%
XYZ	12.1841, 12.3203, 15.6458
YIQ	99.0370, -1.4220, 3.7460

Conversions

Conversions Part 2

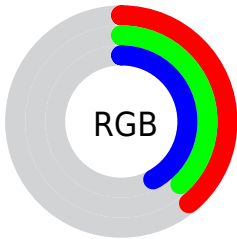
Format	Color
R_{YB}	100, 97, 107
Decimal	6578539
CIE _{Lab}	41.72, 3.31, -5.24
CIE _{LCh}	42, 6.197, 302.317
Yxy	12.3203, 0.3035, 0.3069
Android (android.graphics.Color)	4284768619 (0xFF64616B)
YUV	99.0370, 3.9258, 0.8446
Hunter-Lab	35.1003, 0.5359, -1.8581

Details

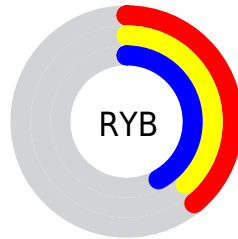
The XYZ color **12.1841, 12.3203, 15.6458** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1248, 14.3218, 13.3826**, and the grayscale version is **11.8601, 12.4777, 13.5882**.

A 20% lighter version of the original color is **29.5240, 30.2277, 36.6262**, and **3.4676, 3.4508, 4.7583** is the 20% darker color. If you saturate the color by 10%, you get **10.4706, 10.0672, 15.3014**, and if you desaturate by 10%, it is **14.1079, 14.8805, 16.0388**.

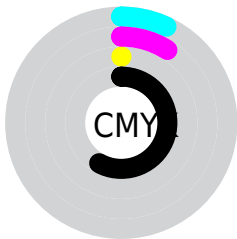
Distribution



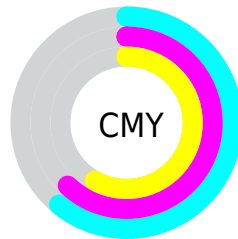
- Red (39%)
- Green (38%)
- Blue (42%)



- Red (39%)
- Yellow (38%)
- Blue (42%)



- Cyan (7%)
- Magenta (9%)
- Yellow (0%)
- Black (58%)



- Cyan (61%)
- Magenta (62%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1841, 12.3203, 15.6458 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 12.1841, 12.3203, 15.6458 by changing the saturation by 10% instead.

■ 12.1841, 12.3203,
15.6458

■ 12.1841, 12.3203,
15.6458

199.3654,
206.5144, 239.0164

■ 6.9423, 6.9622,
9.1222

■ 29.4439, 30.0771,
36.7404

■ 3.4720, 3.4385,
4.7231

■ 42.1926, 43.2447,
52.1485

■ 1.4080, 1.3647,
2.0298

■ 58.1743, 59.7841,
71.3552

■ 0.2619, 0.1905,
0.5735

■ 77.7544, 80.0799,
94.7790

■ 0.0000, 0.0000,
0.0000

101.2982,
104.5165, 122.8385

129.1711,

133.4781, 155.9522

161.7383,
167.3493, 194.5387

■ 12.1841, 12.3203,
15.6458

■ 12.1841, 12.3203,
15.6458

■ 10.4706, 10.0672,
15.3014

■ 14.1079, 14.8805,
16.0388

■ 8.9590, 8.1080,
15.0029

■ 16.2479, 17.7572,
16.4812

■ 7.6419, 6.4308,
14.7486

■ 18.6111, 20.9615,
16.9752

■ 6.5109, 5.0222,
14.5363

■ 21.2039, 24.5033,
17.5222

■ 5.5571, 3.8679,
14.3638

■ 24.0323, 28.3922,
18.1237

■ 4.7707, 2.9521,
14.2285

■ 27.1022, 32.6374,
18.7813

■ 4.1411, 2.2571,
14.1275

■ 30.4193, 37.2477,
19.4964

■ 3.6561, 1.7628,
14.0577

■ 33.9890, 42.2315,
20.2702

■ 3.2753, 1.3932,
14.0064

■ 37.8167, 47.5973,
21.1041

Harmonies

Analogous

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



11.7455, 12.3203, 16.0775



12.1841, 12.3203, 15.6458



12.5021, 12.3203, 14.6129

Triad

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



12.1841, 12.3203, 15.6458



12.1213, 12.3203, 11.3158



10.8574, 12.3203, 13.5163

Complementary

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



12.1841, 12.3203, 15.6458



13.1248, 14.3218, 13.3826

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.



10.9522, 12.3203, 12.2839



12.1841, 12.3203, 15.6458



11.6747, 12.3203, 11.0635

Square

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



12.1841, 12.3203, 15.6458



12.4652, 12.3203, 12.1192



11.2485, 12.3203, 11.4065



10.9861, 12.3203, 14.7995

Rectangle

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



12.1841, 12.3203, 15.6458



12.5988, 12.3203, 13.7525



11.2485, 12.3203, 11.4065



10.8642, 12.3203, 13.0825

Sweetspot

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



12.1845, 12.3208, 15.6461



23.9287, 24.8652, 28.4460



12.5512, 13.5376, 15.8616



5.7331, 5.9403, 6.8732



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.1845, 12.3208, 15.6461



21.1849, 21.2255, 27.8881



12.7351, 12.6047, 15.6718



3.0259, 3.0651, 3.8670



3.9277, 1.6519, 17.0341



19.2299, 8.0130, 86.7593

Inverse Universe

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



12.8372, 12.6753, 14.8673



22.5858, 21.9864, 26.2059



12.5796, 14.0408, 13.3571



3.1808, 3.1492, 3.6824



8.9042, 4.4138, 8.3899



44.9741, 22.3316, 40.6620

Previews

White Background



This preview shows how the XYZ color 12.1841, 12.3203, 15.6458 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 12.1841, 12.3203, 15.6458 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

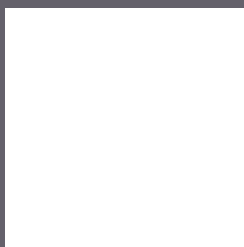
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1841, 12.3203, 15.6458

Background



This preview shows how black text looks on a background with the XYZ color 12.1841, 12.3203, 15.6458.



This preview shows how white text looks on a background with the XYZ color 12.1841, 12.3203,

15.6458.

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

12.1841, 12.3203, 15.6458

Protanopia

12.0585, 12.3936, 15.6666

Deuteranopia

12.5456, 12.3703, 15.6364



Tritanopia

12.0800, 12.2786, 15.0979

Trichromacy



Original Color

12.1841, 12.3203, 15.6458

Protanomaly

12.1671, 12.4496, 15.6716

Deuteranomaly

12.4302, 12.3108, 15.6310

Tritanomaly

12.1317, 12.2993, 15.3703

Monochromacy



Original Color

12.1841, 12.3203, 15.6458

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9115, 12.3473, 14.3258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1841, 12.3203, 15.6458 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(100, 97, 107)` looks like.

```
.text, #text, p{  
    color:rgb(100, 97, 107)  
}
```

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(100, 97, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 97, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.1841, 12.3203, 15.6458 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(100, 97, 107) }
```


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

```
.border{ border-color:rgb(100, 97, 107) }
```

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

Here you see how a box with a 4 pixel rgb(100, 97, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 97, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 97, 107);  
box-shadow:4px 4px 4px 4px rgb(100, 97,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1841, 12.3203, 15.6458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 97, 107) }
```

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

```
.background{ background-color: rgb(100, 97,  
107) }
```

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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