

Converting Colors

XYZ(12.2704, 12.0143, 18.8391)

Have a look what the booklet for
XYZ(12.2704, 12.0143, 18.8391)
contains.

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Color

**XYZ(12.2920, 12.0338,
18.8144)**

Conversions

Conversions Part 1

Format	Color
Hex	615F76
RGB	97, 95, 118
RGB Percent	38%, 37%, 46%
CMY	0.6196, 0.6274, 0.5373
CMYK	0.18, 0.19, 0.00, 0.54
HSL	245°, 11%, 42%
HSV	245°, 19%, 46%
XYZ	12.2920, 12.0338, 18.8144
YIQ	98.2200, -6.1910, 7.5770

Conversions

Conversions Part 2

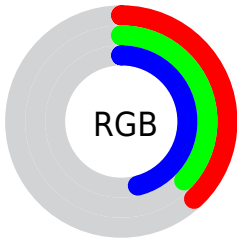
Format	Color
R_{YB}	97, 95, 118
Decimal	6381430
CIE _{Lab}	41.27, 6.00, -12.66
CIE _{LCh}	41, 14.006, 295.359
Yxy	12.0338, 0.2849, 0.2789
Android (android.graphics.Color)	4284571510 (0xFF615F76)
YUV	98.2200, 9.7515, -1.0699
Hunter-Lab	34.6898, 2.5427, -7.8738

Details

The XYZ color **12.2920, 12.0338, 18.8144** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.7468, 17.4963, 13.3742**, and the grayscale version is **11.6421, 12.2484, 13.3385**.

A 20% lighter version of the original color is **29.5938, 29.4490, 42.1547**, and **3.5192, 3.3169, 6.2491** is the 20% darker color. If you saturate the color by 10%, you get **10.2375, 9.5147, 18.4367**, and if you desaturate by 10%, it is **14.6642, 14.9563, 19.2537**.

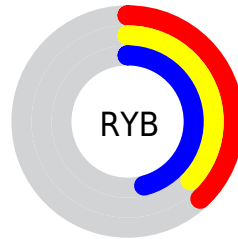
Distribution



Red (38%)

Green (37%)

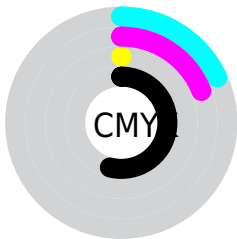
Blue (46%)



Red (38%)

Yellow (37%)

Blue (46%)

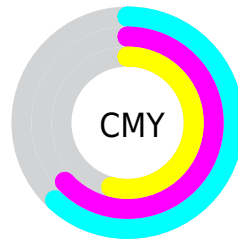


Cyan (18%)

Magenta (19%)

Yellow (0%)

Black (54%)



Cyan (62%)

Magenta (63%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2920, 12.0338, 18.8144 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 12.2920, 12.0338, 18.8144 by changing the saturation by 10% instead.

■ 12.2920, 12.0338,
18.8144

■ 12.2920, 12.0338,
18.8144

200.0596,
204.6289, 257.8107

■ 7.0165, 6.7667,
11.3608

■ 29.6381, 29.5567,
42.2528

■ 3.5188, 3.3166,
6.1928

■ 42.4394, 42.5812,
59.0746

■ 1.4337, 1.2992,
2.8920

■ 58.4799, 58.9603,
79.8562

■ 0.2800, 0.1406,
1.0398

■ 78.1251, 79.0785,
105.0162

■ 0.0000, 0.0000,
0.0000

101.7404,
103.3200, 134.9732

129.6909,

132.0693, 170.1455

162.3422,
165.7108, 210.9519

■ 12.2920, 12.0338,
18.8144

■ 12.2920, 12.0338,
18.8144

■ 10.2375, 9.5147,
18.4367

■ 14.6642, 14.9563,
19.2537

■ 8.4862, 7.3800,
18.1169

■ 17.3658, 18.2974,
19.7562

■ 7.0239, 5.6111,
17.8525

■ 20.4089, 22.0731,
20.3246

■ 5.8351, 4.1874,
17.6404

■ 23.8050, 26.2983,
20.9611

■ 4.9027, 3.0863,
17.4770

■ 27.5649, 30.9871,
21.6680

■ 4.2076, 2.2825,
17.3585

■ 31.6990, 36.1531,
22.4472

■ 3.7282, 1.7467,
17.2803

■ 36.2173, 41.8092,
23.3008

■ 3.4121, 1.3909,
17.2283

■ 41.1293, 47.9679,
24.2307

■ 3.3985, 1.3742,
17.2258

■ 46.4442, 54.6411,
25.2386

Harmonies

Analogous

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



11.2810, 12.0338, 19.4827



12.2920, 12.0338, 18.8144



13.1154, 12.0338, 16.5345

Triad

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



12.2920, 12.0338, 18.8144



12.5805, 12.0338, 9.0301



9.6050, 12.0338, 12.6568

Complementary

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



12.2920, 12.0338, 18.8144



15.7468, 17.4963, 13.3742

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.



9.9097, 12.0338, 10.1821



12.2920, 12.0338, 18.8144



11.5960, 12.0338, 8.2941

Square

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



12.2920, 12.0338, 18.8144



13.2887, 12.0338, 10.8569



10.6241, 12.0338, 8.6827



9.7672, 12.0338, 15.6387

Rectangle

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



12.2920, 12.0338, 18.8144



13.4267, 12.0338, 14.5631



10.6241, 12.0338, 8.6827



9.6557, 12.0338, 11.7434

Sweetspot

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



12.2924, 12.0343, 18.8147



27.3056, 28.1770, 34.1365



14.2447, 16.2512, 19.5257



6.2280, 6.4165, 7.8392



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.2924, 12.0343, 18.8147



20.0727, 19.2676, 32.7981



13.5977, 12.7072, 18.8758



3.5274, 3.6037, 4.5999



3.6710, 1.4838, 18.6355



17.5645, 7.0633, 90.7979

Inverse Universe

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



14.7161, 13.2974, 18.3144



25.0932, 21.8846, 31.7307



14.3212, 16.7614, 13.3075



3.8136, 3.7527, 4.5451



10.9940, 5.3313, 15.7086



53.4164, 25.9167, 75.7132

Previews

White Background



This preview shows how the XYZ color 12.2920, 12.0338, 18.8144 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 12.2920, 12.0338, 18.8144 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 12.2920, 12.0338, 18.8144

Background



This preview shows how black text looks on a background with the XYZ color 12.2920, 12.0338, 18.8144.



This preview shows how white text looks on a background with the XYZ color 12.2920, 12.0338,

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

12.2920, 12.0338, 18.8144

Protanopia

11.9263, 11.9730, 19.1352

Deuteranopia

12.1861, 11.9792, 18.8095



Tritanopia

11.5438, 12.0022, 15.0728

Trichromacy



Original Color

12.2920, 12.0338, 18.8144

Protanomaly

12.1287, 12.0773, 19.1447

Deuteranomaly

12.1861, 11.9792, 18.8095

Tritanomaly

11.8212, 11.9783, 16.4409

Monochromacy



Original Color

12.2920, 12.0338, 18.8144

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8615, 12.1660, 15.0877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2920, 12.0338, 18.8144 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(97, 95, 118) looks like.

```
.text, #text, p{  
    color:rgb(97, 95, 118)  
}
```

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(97, 95, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 95, 118) }
```

Border

The CSS property to change the border of an element to XYZ 12.2920, 12.0338, 18.8144 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(97, 95, 118) }
```


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

```
.border{ border-color:rgb(97, 95, 118) }
```

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

Here you see how a box with a 4 pixel rgb(97, 95, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 95, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 95, 118);  
box-shadow:4px 4px 4px 4px rgb(97, 95,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2920, 12.0338, 18.8144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 95, 118) }
```

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

```
.background{ background-color: rgb(97, 95,  
118) }
```

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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