

Converting Colors

XYZ(12.1909, 12.1501, 19.0004)

Have a look what the booklet for
XYZ(12.1909, 12.1501, 19.0004)
contains.

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Color

**XYZ(12.2320, 12.1305,
19.1495)**

Conversions

Conversions Part 1

Format	Color
Hex	5F6077
RGB	95, 96, 119
RGB Percent	37%, 38%, 47%
CMY	0.6274, 0.6235, 0.5333
CMYK	0.20, 0.19, 0.00, 0.53
HSL	238°, 11%, 42%
HSV	238°, 20%, 47%
XYZ	12.2320, 12.1305, 19.1495
YIQ	98.3230, -7.9790, 6.9410

Conversions

Conversions Part 2

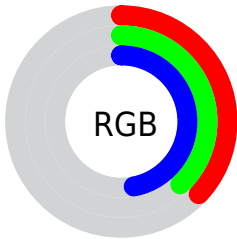
Format	Color
R_{YB}	95, 96, 119
Decimal	6250615
CIE _{Lab}	41.42, 4.93, -13.05
CIE _{LCh}	41, 13.949, 290.684
Yxy	12.1305, 0.2811, 0.2788
Android (android.graphics.Color)	4284440695 (0xFF5F6077)
YUV	98.3230, 10.1938, -2.9143
Hunter-Lab	34.8289, 1.7392, -8.2184

Details

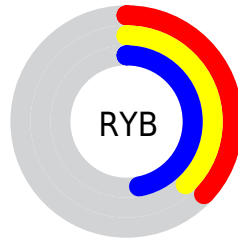
The XYZ color **12.2320, 12.1305, 19.1495** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.1521, 17.7054, 13.3932**, and the grayscale version is **11.6670, 12.2746, 13.3670**.

A 20% lighter version of the original color is **29.4836, 29.6090, 42.6892**, and **3.4969, 3.3645, 6.4263** is the 20% darker color. If you saturate the color by 10%, you get **10.1230, 9.6093, 18.7742**, and if you desaturate by 10%, it is **14.6816, 15.0519, 19.5845**.

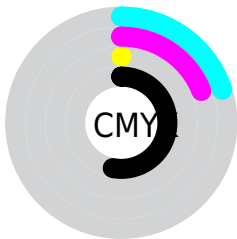
Distribution



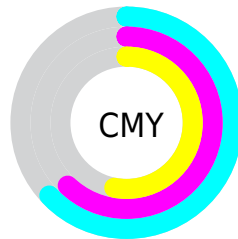
- Red (37%)
- Green (38%)
- Blue (47%)



- Red (37%)
- Yellow (38%)
- Blue (47%)



- Cyan (20%)
- Magenta (19%)
- Yellow (0%)
- Black (53%)



- Cyan (63%)
- Magenta (62%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2320, 12.1305, 19.1495 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 12.2320, 12.1305, 19.1495 by changing the saturation by 10% instead.

■ 12.2320, 12.1305,
19.1495

■ 12.2320, 12.1305,
19.1495

199.6739,
205.2673, 259.7230

■ 6.9752, 6.8326,
11.6004

■ 29.5301, 29.7326,
42.8266

■ 3.4928, 3.3576,
6.3530

■ 42.3022, 42.8055,
59.7918

■ 1.4194, 1.3212,
2.9887

■ 58.3101, 59.2390,
80.7327

■ 0.2700, 0.1575,
1.0888

■ 77.9191, 79.4173,
106.0680

■ 0.0000, 0.0000,
0.0000

101.4946,
103.7249, 136.2161

129.4021,

132.5462, 171.5956

162.0067,
166.2655, 212.6251

■ 12.2320, 12.1305,
19.1495

■ 12.2320, 12.1305,
19.1495

■ 10.1230, 9.6093,
18.7742

■ 14.6816, 15.0519,
19.5845

■ 8.3384, 7.4697,
18.4553

■ 17.4847, 18.3885,
20.0808

■ 6.8625, 5.6933,
18.1902

■ 20.6551, 22.1560,
20.6409

■ 5.6778, 4.2601,
17.9760

■ 24.2052, 26.3690,
21.2670

■ 4.7650, 3.1478,
17.8094

■ 28.1472, 31.0416,
21.9611

■ 4.1024, 2.3318,
17.6868

■ 32.4924, 36.1869,
22.7252

■ 3.6651, 1.7836,
17.6041

■ 37.2519, 41.8178,
23.5612

■ 3.3836, 1.4395,
17.5525

■ 42.4363, 47.9464,
24.4709

■ 48.0557, 54.5848,
25.4561

Harmonies

Analogous

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



11.2170, 12.1305, 19.5185



12.2320, 12.1305, 19.1495



13.1045, 12.1305, 17.0703

Triad

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



12.2320, 12.1305, 19.1495



12.8094, 12.1305, 9.3426



9.7111, 12.1305, 12.3248

Complementary

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



12.2320, 12.1305, 19.1495



16.1521, 17.7054, 13.3932

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.



10.0864, 12.1305, 9.9773



12.2320, 12.1305, 19.1495



11.8481, 12.1305, 8.4295

Square

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



12.2320, 12.1305, 19.1495



13.4512, 12.1305, 11.3327



10.8548, 12.1305, 8.6434



9.8005, 12.1305, 15.2797

Rectangle

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



12.2320, 12.1305, 19.1495



13.4688, 12.1305, 15.1420



10.8548, 12.1305, 8.6434



9.7862, 12.1305, 11.4462

Sweetspot

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



12.2324, 12.1310, 19.1498



28.2279, 29.2610, 35.4132



14.5746, 16.9301, 19.5772



6.6320, 6.8658, 8.3824



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.2324, 12.1310, 19.1498



20.1528, 19.6303, 33.9799



13.3425, 12.5687, 19.1758



3.5117, 3.6121, 4.6024



3.5930, 1.5258, 18.6477



17.3526, 7.1219, 90.8204

Inverse Universe

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



13.8116, 12.9513, 12.8387



23.5039, 21.3819, 20.5855



14.8714, 17.2209, 13.3671



3.6896, 3.7031, 3.8920



8.1107, 4.1780, 0.5254



39.4456, 20.3283, 2.1437

Previews

White Background



This preview shows how the XYZ color 12.2320, 12.1305, 19.1495 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 12.2320, 12.1305, 19.1495 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 12.2320, 12.1305, 19.1495

Background



This preview shows how black text looks on a background with the XYZ color 12.2320, 12.1305, 19.1495.



This preview shows how white text looks on a background with the XYZ color 12.2320, 12.1305,

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

12.2320, 12.1305, 19.1495

Protanopia

12.0181, 12.1566, 19.1658

Deuteranopia

12.3365, 12.1844, 19.1544



Tritanopia

11.4834, 12.1031, 15.3666

Trichromacy



Original Color

12.2320, 12.1305, 19.1495

Protanomaly

12.1187, 12.2085, 19.1705

Deuteranomaly

12.3365, 12.1844, 19.1544

Tritanomaly

11.7600, 12.0768, 16.7502

Monochromacy



Original Color

12.2320, 12.1305, 19.1495

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8060, 12.1314, 15.3550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2320, 12.1305, 19.1495 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(95, 96, 119) looks like.

```
.text, #text, p{  
    color:rgb(95, 96, 119)  
}
```

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(95, 96, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 96, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.2320, 12.1305, 19.1495 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(95, 96, 119) }
```


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

```
.border{ border-color:rgb(95, 96, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 96, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 96, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 96, 119);  
box-shadow:4px 4px 4px 4px rgb(95, 96,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2320, 12.1305, 19.1495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 96, 119) }
```

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

```
.background{ background-color: rgb(95, 96,  
119) }
```

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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