

Converting Colors

XYZ(11.9953, 12.6035, 20.4659)

Have a look what the booklet for
XYZ(11.9953, 12.6035, 20.4659)
contains.

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Color

**XYZ(11.9701, 12.5228,
20.5251)**

Conversions

Conversions Part 1

Format	Color
Hex	56647B
RGB	86, 100, 123
RGB Percent	34%, 39%, 48%
CMY	0.6627, 0.6078, 0.5176
CMYK	0.30, 0.19, 0.00, 0.52
HSL	217°, 18%, 41%
HSV	217°, 30%, 48%
XYZ	11.9701, 12.5228, 20.5251
YIQ	98.4360, -15.7270, 4.1850

Conversions

Conversions Part 2

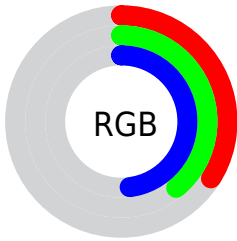
Format	Color
R_{YB}	86, 96, 123
Decimal	5661819
CIE _{Lab}	42.04, 0.47, -14.62
CIE _{LCh}	42, 14.623, 271.851
Yxy	12.5228, 0.2659, 0.2782
Android (android.graphics.Color)	4283851899 (0xFF56647B)
YUV	98.4360, 12.1101, -10.9064
Hunter-Lab	35.3876, -1.5493, -9.6174

Details

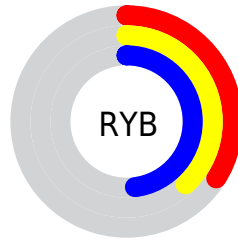
The XYZ color **11.9701, 12.5228, 20.5251** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3170, 15.8205, 11.0510**, and the grayscale version is **11.6920, 12.3009, 13.3957**.

A 20% lighter version of the original color is **29.2196, 30.5862, 45.4380**, and **3.3919, 3.5641, 6.9877** is the 20% darker color. If you saturate the color by 10%, you get **10.2344, 10.5902, 20.2438**, and if you desaturate by 10%, it is **13.9704, 14.6946, 20.8391**.

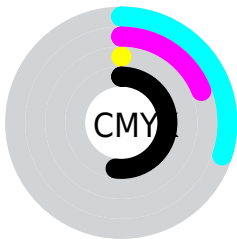
Distribution



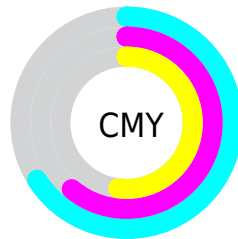
- Red (34%)
- Green (39%)
- Blue (48%)



- Red (34%)
- Yellow (38%)
- Blue (48%)



- Cyan (30%)
- Magenta (19%)
- Yellow (0%)
- Black (52%)



- Cyan (66%)
- Magenta (61%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9701, 12.5228, 20.5251 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 11.9701, 12.5228, 20.5251 by changing the saturation by 10% instead.

■ 11.9701, 12.5228,
20.5251

■ 11.9701, 12.5228,
20.5251

197.9812,
207.8363, 267.4414

■ 6.7954, 7.1008,
12.5895

■ 29.0580, 30.4438,
45.1663

■ 3.3796, 3.5252,
7.0191

■ 41.7018, 43.7115,
62.7089

■ 1.3576, 1.4117,
3.3954

■ 57.5661, 60.3633,
84.2910

■ 0.2257, 0.2253,
1.2999

■ 77.0161, 80.7834,
110.3310

■ 0.0000, 0.0000,
0.0617

■ 100.4173,
105.3564, 141.2475

■ 0.0000, 0.0000,
0.0000

128.1350,

134.4667, 177.4591

160.5345,
168.4985, 219.3842

■ 11.9701, 12.5228,
20.5251

■ 11.9701, 12.5228,
20.5251

■ 10.2344, 10.5902,
20.2438

■ 13.9704, 14.6946,
20.8391

■ 8.7502, 8.8864,
19.9931

■ 16.2451, 17.1124,
21.1859

■ 7.5051, 7.4023,
19.7723

■ 18.8051, 19.7848,
21.5668

■ 6.4850, 6.1276,
19.5800

■ 21.6603, 22.7193,
21.9827

■ 5.6742, 5.0510,
19.4149

■ 24.8199, 25.9232,
22.4346

■ 5.0547, 4.1598,
19.2756

■ 28.2930, 29.4034,
22.9233

■ 4.5734, 3.4266,
19.1594

■ 32.0881, 33.1666,
23.4496

■ 36.2135, 37.2193,
24.0144

■ 40.6771, 41.5677,
24.6185

Harmonies

Analogous

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



10.9447, 12.5228, 19.6144



11.9701, 12.5228, 20.5251



13.0384, 12.5228, 19.3693

Triad

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



11.9701, 12.5228, 20.5251



13.7650, 12.5228, 10.7176



10.1554, 12.5228, 11.0050

Complementary

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



11.9701, 12.5228, 20.5251



15.3170, 15.8205, 11.0510

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.



10.8347, 12.5228, 9.1617



11.9701, 12.5228, 20.5251



12.9147, 12.5228, 9.0144

Square

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



11.9701, 12.5228, 20.5251



14.1130, 12.5228, 13.4430



11.8352, 12.5228, 8.4907



9.9359, 12.5228, 13.8292

Rectangle

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



11.9701, 12.5228, 20.5251



13.6206, 12.5228, 17.6711



11.8352, 12.5228, 8.4907



10.3354, 12.5228, 10.2659

Sweetspot

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



11.9705, 12.5233, 20.5254



29.4638, 31.0364, 37.9943



13.6715, 17.2448, 17.0247



6.8129, 7.1766, 8.9292



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.



11.9705, 12.5233, 20.5254



19.2702, 20.0247, 36.4061



11.1507, 10.2757, 20.1348



3.9104, 4.1191, 5.0321



4.7262, 3.5348, 19.8185



21.7815, 15.3356, 94.2818

Inverse Universe

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



13.7968, 11.7871, 13.6050



23.1419, 18.6777, 21.6869



16.3273, 18.7376, 11.5608



4.0552, 4.0378, 4.4885



8.9689, 4.5637, 3.1270



42.3974, 21.6153, 12.8888

Previews

White Background



This preview shows how the XYZ color 11.9701, 12.5228, 20.5251 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 11.9701, 12.5228, 20.5251 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

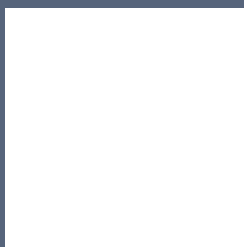
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9701, 12.5228, 20.5251

Background



This preview shows how black text looks on a background with the XYZ color 11.9701, 12.5228, 20.5251.



This preview shows how white text looks on a background with the XYZ color 11.9701, 12.5228,

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

11.9701, 12.5228, 20.5251

Protanopia

12.4966, 12.5202, 20.1703

Deuteranopia

12.7367, 12.4914, 20.8086



Tritanopia

11.1331, 12.4675, 16.5715

Trichromacy



Original Color

11.9701, 12.5228, 20.5251

Protanomaly

12.2891, 12.5530, 20.1876

Deuteranomaly

12.4194, 12.4659, 20.8204

Tritanomaly

11.4043, 12.4300, 18.0178

Monochromacy



Original Color

11.9701, 12.5228, 20.5251

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.7318, 12.3649, 15.6783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9701, 12.5228, 20.5251 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(86, 100, 123) looks like.

```
.text, #text, p{  
    color:rgb(86, 100, 123)  
}
```

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(86, 100, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 100, 123) }
```

Border

The CSS property to change the border of an element to XYZ 11.9701, 12.5228, 20.5251 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(86, 100, 123) }
```


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

```
.border{ border-color:rgb(86, 100, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 100, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 100, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 100, 123);  
box-shadow:4px 4px 4px 4px rgb(86, 100,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9701, 12.5228, 20.5251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 100, 123) }
```

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

```
.background{ background-color: rgb(86, 100,  
123) }
```

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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