

Converting Colors

XYZ(12.4955, 13.1377, 18.0588)

Have a look what the booklet for
XYZ(12.4955, 13.1377, 18.0588)
contains.

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Color

**XYZ(12.4620, 13.1202,
18.0953)**

Conversions

Conversions Part 1

Format	Color
Hex	5E6673
RGB	94, 102, 115
RGB Percent	37%, 40%, 45%
CMY	0.6314, 0.6000, 0.5490
CMYK	0.18, 0.11, 0.00, 0.55
HSL	217°, 10%, 41%
HSV	217°, 18%, 45%
XYZ	12.4620, 13.1202, 18.0953
YIQ	101.0900, -8.9410, 2.3470

Conversions

Conversions Part 2

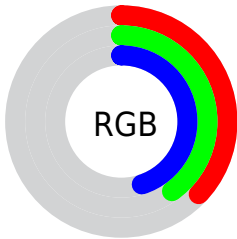
Format	Color
R_{YB}	94, 100, 115
Decimal	6186611
CIE Lab	42.94, -0.06, -8.33
CIE LCh	43, 8.332, 269.610
Yxy	13.1202, 0.2853, 0.3004
Android (android.graphics.Color)	4284376691 (0xFF5E6673)
YUV	101.0900, 6.8576, -6.2179
Hunter-Lab	36.2218, -1.9758, -4.2642

Details

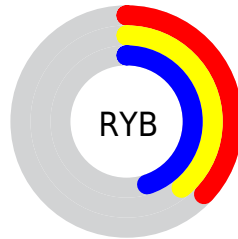
The XYZ color **12.4620, 13.1202, 18.0953** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.3485, 14.9685, 12.7230**, and the grayscale version is **12.3777, 13.0223, 14.1813**.

A 20% lighter version of the original color is **30.0433, 31.5922, 41.0737**, and **3.5982, 3.7660, 5.8475** is the 20% darker color. If you saturate the color by 10%, you get **10.6997, 11.2176, 17.8212**, and if you desaturate by 10%, it is **14.4609, 15.2346, 18.3983**.

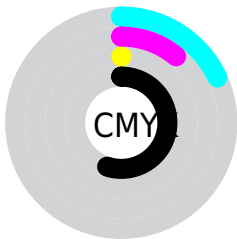
Distribution



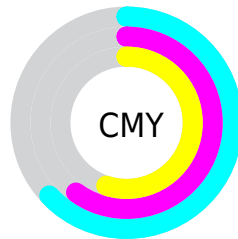
- Red (37%)
- Green (40%)
- Blue (45%)



- Red (37%)
- Yellow (39%)
- Blue (45%)



- Cyan (18%)
- Magenta (11%)
- Yellow (0%)
- Black (55%)



- Cyan (63%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4620, 13.1202, 18.0953 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 12.4620, 13.1202, 18.0953 by changing the saturation by 10% instead.

■ 12.4620, 13.1202,
18.0953

■ 12.4620, 13.1202,
18.0953

201.1484,
211.6866, 253.6618

■ 7.1336, 7.5114,
10.8483

■ 29.9434, 31.5196,
41.0158

■ 3.5928, 3.7839,
5.8520

■ 42.8271, 45.0789,
57.5263

■ 1.4745, 1.5534,
2.6880

■ 58.9599, 62.0571,
77.9618

■ 0.3084, 0.3259,
0.9374

■ 78.7072, 82.8388,
102.7407

■ 0.0000, 0.0000,
0.0000

102.4344,
107.8081, 132.2816

130.5067,

137.3496, 167.0031

163.2896,
171.8476, 207.3236

■ 12.4620, 13.1202,
18.0953

■ 12.4620, 13.1202,
18.0953

■ 10.6997, 11.2176,
17.8212

■ 14.4609, 15.2346,
18.3983

■ 9.1636, 9.5183,
17.5741

■ 16.7040, 17.5659,
18.7300

■ 7.8442, 8.0154,
17.3536

■ 19.1998, 20.1210,
19.0917

■ 6.7309, 6.7009,
17.1585

■ 21.9563, 22.9059,
19.4839

■ 5.8119, 5.5663,
16.9880

■ 24.9810, 25.9264,
19.9075

■ 5.0744, 4.6023,
16.8408

■ 28.2810, 29.1882,
20.3632

■ 4.5037, 3.7985,
16.7157

■ 31.8634, 32.6966,
20.8516

■ 4.0600, 3.1315,
16.6103

■ 35.7346, 36.4569,
21.3733

■ 3.9883, 3.0253,
16.5936

■ 39.9013, 40.4741,
21.9291

Harmonies

Analogous

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



11.8599, 13.1202, 17.5361



12.4620, 13.1202, 18.0953



13.0864, 13.1202, 17.5635

Triad

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



12.4620, 13.1202, 18.0953



13.5677, 13.1202, 12.6189



11.4417, 13.1202, 12.5808

Complementary

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



12.4620, 13.1202, 18.0953



14.3485, 14.9685, 12.7230

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.



11.8739, 13.1202, 11.4433



12.4620, 13.1202, 18.0953



13.1014, 13.1202, 11.4640

Square

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



12.4620, 13.1202, 18.0953



13.7379, 13.1202, 14.3096



12.4787, 13.1202, 11.0522



11.2833, 13.1202, 14.2617

Rectangle

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



12.4620, 13.1202, 18.0953



13.4284, 13.1202, 16.6857



12.4787, 13.1202, 11.0522



11.5590, 13.1202, 12.1276

Sweetspot

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



12.4624, 13.1207, 18.0956



27.1036, 28.5439, 33.1255



13.3984, 15.7019, 16.2210



6.4138, 6.7552, 7.8948



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.



12.4624, 13.1207, 18.0956



20.9022, 21.9778, 32.1850



11.9689, 11.7549, 17.8580



3.6044, 3.7974, 4.6332



4.5396, 3.4189, 18.9632



21.3506, 15.1179, 92.1530

Inverse Universe

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



13.4716, 12.6099, 14.2948



23.0896, 20.9420, 23.9307



14.9037, 16.5508, 12.9992



3.7363, 3.7218, 4.1383



8.5885, 4.3691, 3.0413



41.4636, 21.1355, 12.7704

Previews

White Background



This preview shows how the XYZ color 12.4620, 13.1202, 18.0953 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 12.4620, 13.1202, 18.0953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

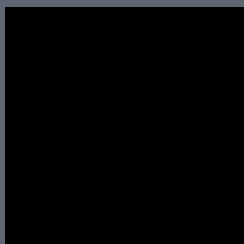
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

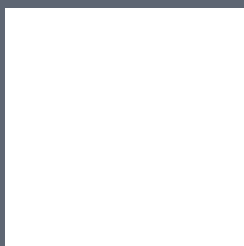
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4620, 13.1202, 18.0953

Background



This preview shows how black text looks on a background with the XYZ color 12.4620, 13.1202, 18.0953.

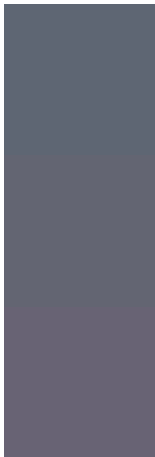


This preview shows how white text looks on a background with the XYZ color 12.4620, 13.1202,

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

12.4620, 13.1202, 18.0953

Protanopia

12.8365, 13.1749, 17.7860

Deuteranopia

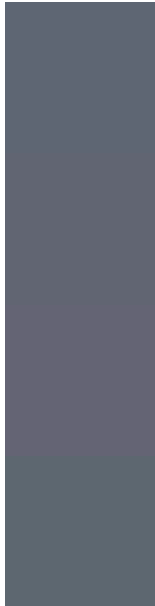
13.3231, 13.1277, 18.3547



Tritanopia

12.2337, 13.1753, 16.9372

Trichromacy



Original Color

12.4620, 13.1202, 18.0953

Protanomaly

12.6207, 13.0637, 17.7759

Deuteranomaly

12.9651, 13.0846, 18.3652

Tritanomaly

12.2891, 13.1975, 17.2289

Monochromacy



Original Color

12.4620, 13.1202, 18.0953

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2922, 12.9446, 15.4864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4620, 13.1202, 18.0953 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(94, 102, 115) looks like.

```
.text, #text, p{  
    color:rgb(94, 102, 115)  
}
```

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(94, 102, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 102, 115) }
```

Border

The CSS property to change the border of an element to XYZ 12.4620, 13.1202, 18.0953 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(94, 102, 115) }
```


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

```
.border{ border-color:rgb(94, 102, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 102, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 102, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 102, 115);  
box-shadow:4px 4px 4px 4px rgb(94, 102,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4620, 13.1202, 18.0953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 102, 115) }
```

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

```
.background{ background-color: rgb(94, 102,  
115) }
```

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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