

Converting Colors

XYZ(11.9369, 15.9540, 20.6297)

Have a look what the booklet for
XYZ(11.9369, 15.9540, 20.6297)
contains.

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Color

**XYZ(11.8641, 15.8674,
20.5266)**

Conversions

Conversions Part 1

Format	Color
Hex	377979
RGB	55, 121, 121
RGB Percent	22%, 47%, 47%
CMY	0.7843, 0.5255, 0.5255
CMYK	0.55, 0.00, 0.00, 0.53
HSL	180°, 37%, 35%
HSV	180°, 55%, 47%
XYZ	11.8641, 15.8674, 20.5266
YIQ	101.2660, -39.3360, -13.9920

Conversions

Conversions Part 2

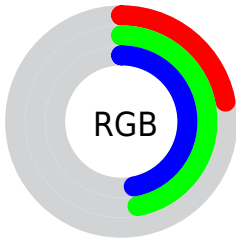
Format	Color
RYB	55, 88, 121
Decimal	3635577
CIELab	46.80, -20.81, -6.40
CIElCh	47, 21.770, 197.104
Yxy	15.8674, 0.2458, 0.3288
Android (android.graphics.Color)	4281825657 (0xFF377979)
YUV	101.2660, 9.7289, -40.5753
Hunter-Lab	39.8339, -16.5450, -2.6687

Details

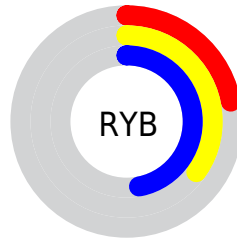
The XYZ color **11.8641, 15.8674, 20.5266** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.9414, 7.0736, 4.4563**, and the grayscale version is **12.4217, 13.0686, 14.2317**.

A 20% lighter version of the original color is **28.8632, 36.4774, 45.0547**, and **3.5200, 5.1158, 7.1053** is the 20% darker color. If you saturate the color by 10%, you get **11.2810, 15.5672, 20.4996**, and if you desaturate by 10%, it is **12.6107, 16.2526, 20.5619**.

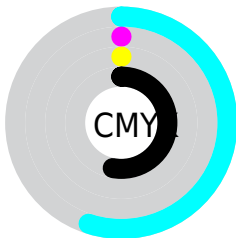
Distribution



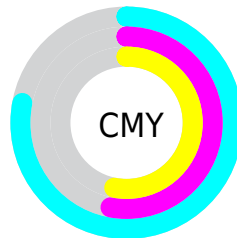
- Red (22%)
- Green (47%)
- Blue (47%)



- Red (22%)
- Yellow (35%)
- Blue (47%)



- Cyan (55%)
- Magenta (0%)
- Yellow (0%)
- Black (53%)



- Cyan (78%)
- Magenta (53%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8641, 15.8674, 20.5266 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 11.8641, 15.8674, 20.5266 by changing the saturation by 10% instead.

■ 11.8641, 15.8674,
20.5266

■ 11.8641, 15.8674,
20.5266

■ 197.2919,
228.5580, 267.4497

■ 6.7227, 9.4304,
12.5905

■ 28.8664, 36.3679,
45.1688

■ 3.3341, 5.0229,
7.0198

■ 41.4580, 51.2001,
62.7121

■ 1.3328, 2.2607,
3.3959

■ 57.2637, 69.5995,
84.2948

■ 0.2076, 0.7528,
1.3001

■ 76.6489, 91.9504,
110.3356

■ 0.0000, 0.0000,
0.0619

■ 99.9790, 118.6374,
141.2529

■ 0.0000, 0.0000,
0.0000

■ 127.6193,

150.0447, 177.4654

159.9351,
186.5568, 219.3915

■ 11.8641, 15.8674,
20.5266

■ 11.8641, 15.8674,
20.5266

■ 11.2810, 15.5672,
20.4996

■ 12.6107, 16.2526,
20.5619

■ 10.8480, 15.3439,
20.4793

■ 13.5303, 16.7267,
20.6050

■ 10.5516, 15.1912,
20.4654

■ 14.6333, 17.2953,
20.6567

■ 10.3715, 15.0983,
20.4569

■ 15.9289, 17.9632,
20.7174

■ 10.2888, 15.0557,
20.4530

■ 17.4256, 18.7348,
20.7875

■ 19.1316, 19.6143,
20.8674

■ 21.0544, 20.6055,
20.9574

■ 23.2013, 21.7123,
21.0579

■ 25.5792, 22.9381,
21.1693

Harmonies

Analogous

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



11.8053, 15.8674, 15.0538



11.8641, 15.8674, 20.5266



12.7378, 15.8674, 26.0911

Triad

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



11.8641, 15.8674, 20.5266



17.9074, 15.8674, 25.3855



15.9083, 15.8674, 8.9794

Complementary

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



11.8641, 15.8674, 20.5266



9.9414, 7.0736, 4.4563

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.



17.6964, 15.8674, 10.7118



11.8641, 15.8674, 20.5266



18.9138, 15.8674, 19.7088

Square

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



11.8641, 15.8674, 20.5266



16.1772, 15.8674, 29.2740



18.8336, 15.8674, 14.3897



14.0364, 15.8674, 9.1080

Rectangle

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



11.8641, 15.8674, 20.5266



13.7096, 15.8674, 28.7650



18.8336, 15.8674, 14.3897



16.5420, 15.8674, 9.3451

Sweetspot

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



11.8646, 15.8680, 20.5270



28.0660, 31.9305, 37.0767



9.1639, 14.7948, 5.9875



6.3290, 7.2554, 8.4735



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.



11.8646, 15.8680, 20.5270



20.0179, 27.7816, 36.6996



8.6079, 9.3547, 19.4417



4.1071, 4.5124, 5.0977



11.0257, 16.1339, 21.9178



52.5935, 76.9604, 104.5499

Inverse Universe

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



9.9414, 7.0736, 4.4563



16.2001, 10.3226, 4.7955



11.9754, 11.1416, 5.1342



3.9983, 4.0150, 4.1887



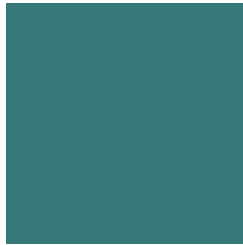
8.4502, 4.3562, 0.3955



40.3081, 20.7796, 1.8865

Previews

White Background



This preview shows how the XYZ color 11.8641, 15.8674, 20.5266 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 11.8641, 15.8674, 20.5266 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 11.8641, 15.8674, 20.5266

Background



This preview shows how black text looks on a background with the XYZ color 11.8641, 15.8674, 20.5266.



This preview shows how white text looks on a background with the XYZ color 11.8641, 15.8674,

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

11.8641, 15.8674, 20.5266

Protanopia

15.1687, 15.7463, 18.1594

Deuteranopia

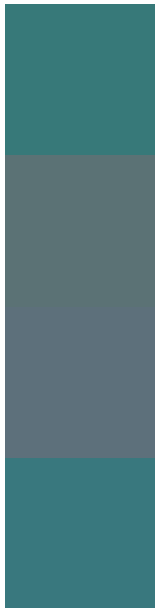
15.9660, 15.6155, 21.2414



Tritanopia

12.4238, 15.9175, 23.1864

Trichromacy



Original Color

11.8641, 15.8674, 20.5266

Protanomaly

13.5426, 15.5431, 19.1160

Deuteranomaly

13.8835, 15.3456, 20.9691

Tritanomaly

12.1697, 15.8092, 22.1487

Monochromacy



Original Color

11.8641, 15.8674, 20.5266

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.7255, 13.6927, 16.2123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8641, 15.8674, 20.5266 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(55, 121, 121)` looks like.

```
.text, #text, p{  
    color:rgb(55, 121, 121)  
}
```

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(55, 121, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 121, 121) }
```

Border

The CSS property to change the border of an element to XYZ 11.8641, 15.8674, 20.5266 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(55, 121, 121) }
```


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

```
.border{ border-color:rgb(55, 121, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 121, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 121, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 121, 121);  
box-shadow:4px 4px 4px 4px rgb(55, 121,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8641, 15.8674, 20.5266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 121, 121) }
```

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

```
.background{ background-color: rgb(55, 121,  
121) }
```

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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