

Converting Colors

XYZ(12.6560, 12.0078, 19.3723)

Have a look what the booklet for
XYZ(12.6560, 12.0078, 19.3723)
contains.

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Color

**XYZ(12.6713, 11.9515,
19.4083)**

Conversions

Conversions Part 1

Format	Color
Hex	655D78
RGB	101, 93, 120
RGB Percent	40%, 36%, 47%
CMY	0.6039, 0.6353, 0.5294
CMYK	0.16, 0.22, 0.00, 0.53
HSL	258°, 13%, 42%
HSV	258°, 22%, 47%
XYZ	12.6713, 11.9515, 19.4083
YIQ	98.4700, -3.8990, 10.0930

Conversions

Conversions Part 2

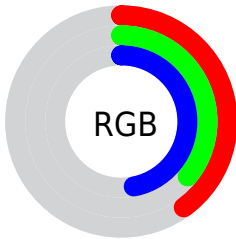
Format	Color
R_{YB}	101, 93, 120
Decimal	6643064
CIE _{Lab}	41.14, 9.14, -14.04
CIE _{LCh}	41, 16.753, 303.052
Yxy	11.9515, 0.2878, 0.2714
Android (android.graphics.Color)	4284833144 (0xFF655D78)
YUV	98.4700, 10.6143, 2.2188
Hunter-Lab	34.5709, 4.9265, -9.0860

Details

The XYZ color **12.6713, 11.9515, 19.4083** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.3749, 17.6684, 12.9566**, and the grayscale version is **11.7020, 12.3114, 13.4071**.

A 20% lighter version of the original color is **30.2177, 29.2989, 43.0923**, and **3.6752, 3.2722, 6.3991** is the 20% darker color. If you saturate the color by 10%, you get **10.8021, 9.5454, 19.0426**, and if you desaturate by 10%, it is **14.8037, 14.7394, 19.8342**.

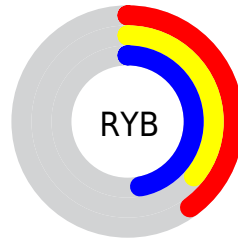
Distribution



Red (40%)

Green (36%)

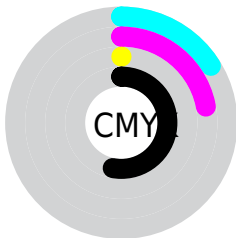
Blue (47%)



Red (40%)

Yellow (36%)

Blue (47%)

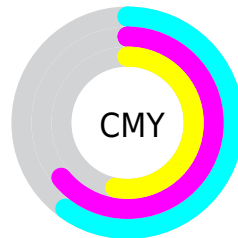


Cyan (16%)

Magenta (22%)

Yellow (0%)

Black (53%)



Cyan (60%)

Magenta (64%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6713, 11.9515, 19.4083 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 12.6713, 11.9515, 19.4083 by changing the saturation by 10% instead.

■ 12.6713, 11.9515,
19.4083

■ 12.6713, 11.9515,
19.4083

202.4807,
204.0839, 261.1911

■ 7.2780, 6.7107,
11.7859

■ 30.3183, 29.4067,
43.2687

■ 3.6845, 3.2818,
6.4773

■ 43.3028, 42.3899,
60.3439

■ 1.5252, 1.2806,
3.0640

■ 59.5484, 58.7227,
81.4070

■ 0.3429, 0.1261,
1.1274

■ 79.4205, 78.7894,
106.8766

■ 0.0000, 0.0000,
0.0000

103.2844,
102.9745, 137.1713

131.5055,

131.6624, 172.7095

164.4491,
165.2374, 213.9100

■ 12.6713, 11.9515,
19.4083

■ 12.6713, 11.9515,
19.4083

■ 10.8021, 9.5454,
19.0426

■ 14.8037, 14.7394,
19.8342

■ 9.1845, 7.5026,
18.7335

■ 17.2082, 17.9232,
20.3220

■ 7.8074, 5.8054,
18.4785

■ 19.8947, 21.5186,
20.8744

■ 6.6585, 4.4341,
18.2744

■ 22.8720, 25.5395,
21.4936

■ 5.7244, 3.3669,
18.1176

■ 26.1489, 29.9994,
22.1817

■ 4.9901, 2.5790,
18.0043

■ 29.7334, 34.9112,
22.9409

■ 4.4380, 2.0413,
17.9296

■ 33.6335, 40.2872,
23.7730

■ 4.1021, 1.7231,
17.8859

■ 37.8568, 46.1393,
24.6800

■ 42.4107, 52.4788,
25.6636

Harmonies

Analogous

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



11.4834, 11.9515, 20.8319



12.6713, 11.9515, 19.4083



13.5537, 11.9515, 16.2594

Triad

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



12.6713, 11.9515, 19.4083



12.4427, 11.9515, 7.9470



9.1985, 11.9515, 13.3699

Complementary

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



12.6713, 11.9515, 19.4083



15.3749, 17.6684, 12.9566

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.



9.4160, 11.9515, 10.2305



12.6713, 11.9515, 19.4083



11.2366, 11.9515, 7.4459

Square

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



12.6713, 11.9515, 19.4083



13.4153, 11.9515, 9.7178



10.1416, 11.9515, 8.2042



9.5253, 11.9515, 16.9801

Rectangle

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



12.6713, 11.9515, 19.4083



13.8194, 11.9515, 13.8328



10.1416, 11.9515, 8.2042



9.2104, 11.9515, 12.2265

Sweetspot

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



12.6717, 11.9520, 19.4086



28.2288, 28.8180, 35.3277



13.7377, 15.3494, 20.0081



6.6481, 6.7742, 8.3638



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.



12.6717, 11.9520, 19.4086



20.5327, 18.7539, 33.7907



14.2639, 12.7728, 19.4831



3.8989, 3.9458, 4.9993



4.4620, 1.8730, 19.5116



20.5270, 8.5441, 93.0371

Inverse Universe

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



14.5852, 12.9922, 17.0691



24.5564, 20.9433, 28.7779



13.8219, 16.8678, 12.8839



4.1063, 4.0582, 4.7574



10.2089, 5.0597, 9.6570



48.3103, 23.9805, 44.0256

Previews

White Background



This preview shows how the XYZ color 12.6713, 11.9515, 19.4083 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 12.6713, 11.9515, 19.4083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

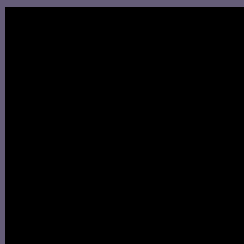
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6713, 11.9515, 19.4083

Background



This preview shows how black text looks on a background with the XYZ color 12.6713, 11.9515, 19.4083.



This preview shows how white text looks on a background with the XYZ color 12.6713, 11.9515,

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

12.6713, 11.9515, 19.4083

Protanopia

12.0101, 11.9950, 20.0946

Deuteranopia

12.2017, 11.9734, 19.4373



Tritanopia

11.7186, 11.9619, 14.7879

Trichromacy



Original Color

12.6713, 11.9515, 19.4083

Protanomaly

12.2627, 11.9978, 19.7586

Deuteranomaly

12.3226, 11.9029, 19.4173

Tritanomaly

12.0523, 11.9629, 16.4257

Monochromacy



Original Color

12.6713, 11.9515, 19.4083

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.9300, 12.0590, 15.3345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6713, 11.9515, 19.4083 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(101, 93, 120)` looks like.

```
.text, #text, p{  
    color:rgb(101, 93, 120)  
}
```

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(101, 93, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 93, 120) }
```

Border

The CSS property to change the border of an element to XYZ 12.6713, 11.9515, 19.4083 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(101, 93, 120) }
```


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

```
.border{ border-color:rgb(101, 93, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 93, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 93, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 93, 120);  
box-shadow:4px 4px 4px 4px rgb(101, 93,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6713, 11.9515, 19.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 93, 120) }
```

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

```
.background{ background-color: rgb(101, 93,  
120) }
```

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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