

Converting Colors

XYZ(9.8402, 12.2122, 15.0766)

Have a look what the booklet for
XYZ(9.8402, 12.2122, 15.0766)
contains.

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Color

**XYZ(9.9161, 12.3164,
15.2193)**

Conversions

Conversions Part 1

Format	Color
Hex	436969
RGB	67, 105, 105
RGB Percent	26%, 41%, 41%
CMY	0.7373, 0.5882, 0.5882
CMYK	0.36, 0.00, 0.00, 0.59
HSL	180°, 22%, 34%
HSV	180°, 36%, 41%
XYZ	9.9161, 12.3164, 15.2193
YIQ	93.6380, -22.6480, -8.0560

Conversions

Conversions Part 2

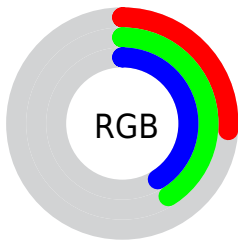
Format	Color
R_{YB}	67, 86, 105
Decimal	4417897
CIE _{Lab}	41.71, -13.39, -4.29
CIE _{LCh}	42, 14.059, 197.753
Yxy	12.3164, 0.2648, 0.3289
Android (android.graphics.Color)	4282607977 (0xFF436969)
YUV	93.6380, 5.6015, -23.3615
Hunter-Lab	35.0947, -10.9802, -1.1456

Details

The XYZ color **9.9161, 12.3164, 15.2193** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.8464, 7.4231, 6.2771**, and the grayscale version is **10.5453, 11.0945, 12.0819**.

A 20% lighter version of the original color is **25.2253, 29.9591, 35.9057**, and **2.5453, 3.4700, 4.5386** is the 20% darker color. If you saturate the color by 10%, you get **9.2607, 11.9788, 15.1888**, and if you desaturate by 10%, it is **10.7028, 12.7223, 15.2565**.

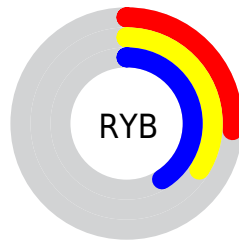
Distribution



Red (26%)

Green (41%)

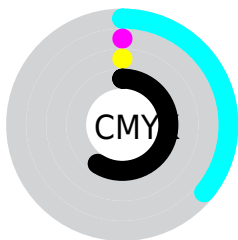
Blue (41%)



Red (26%)

Yellow (34%)

Blue (41%)

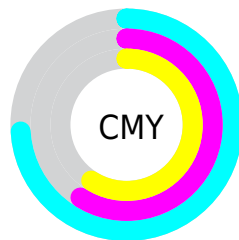


Cyan (36%)

Magenta (0%)

Yellow (0%)

Black (59%)



Cyan (74%)

Magenta (59%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9161, 12.3164, 15.2193 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 9.9161, 12.3164, 15.2193 by changing the saturation by 10% instead.

■ 9.9161, 12.3164,
15.2193

■ 9.9161, 12.3164,
15.2193

184.1384,
206.4888, 236.3761

■ 5.4052, 6.9595,
8.8251

■ 25.2887, 30.0701,
35.9852

■ 2.5241, 3.4368,
4.5320

■ 36.8811, 43.2357,
51.1939

■ 0.9074, 1.3638,
1.9215

■ 51.5647, 59.7730,
70.1780

■ 0.0000, 0.1898,
0.5064

■ 69.7049, 80.0664,
93.3558

■ 0.0000, 0.0000,
0.0000

■ 91.6670, 104.5003,
121.1460

117.8164,

133.4590, 153.9671

148.5184,
167.3271, 192.2376

■ 9.9161, 12.3164,
15.2193

■ 9.9161, 12.3164,
15.2193

■ 9.2607, 11.9788,
15.1888

■ 10.7028, 12.7223,
15.2565

■ 8.7284, 11.7044,
15.1638

■ 11.6263, 13.1984,
15.2998

■ 8.3118, 11.4897,
15.1442

■ 12.6930, 13.7483,
15.3498

■ 8.0025, 11.3302,
15.1296

■ 13.9086, 14.3749,
15.4068

■ 7.7905, 11.2209,
15.1196

■ 15.2786, 15.0812,
15.4711

■ 7.6516, 11.1493,
15.1129

■ 16.8081, 15.8696,
15.5428

■ 7.6015, 11.1235,
15.1106

■ 18.5019, 16.7428,
15.6221

■ 20.3648, 17.7032,
15.7094

■ 22.4014, 18.7531,
15.8048

Harmonies

Analogous

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



9.8720, 12.3164, 12.2405



9.9161, 12.3164, 15.2193



10.4221, 12.3164, 18.0734

Triad

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



9.9161, 12.3164, 15.2193



13.2378, 12.3164, 17.6065



12.1324, 12.3164, 8.5875

Complementary

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



9.9161, 12.3164, 15.2193



8.8464, 7.4231, 6.2771

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.



13.0921, 12.3164, 9.6276



9.9161, 12.3164, 15.2193



13.7550, 12.3164, 14.6527

Square

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



9.9161, 12.3164, 15.2193



12.3220, 12.3164, 19.5848



13.7001, 12.3164, 11.7510



11.1116, 12.3164, 8.6929

Rectangle

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



9.9161, 12.3164, 15.2193



10.9709, 12.3164, 19.3893



13.7001, 12.3164, 11.7510



12.4740, 12.3164, 8.8076

Sweetspot

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



9.9165, 12.3169, 15.2196



21.7158, 24.0953, 27.4371



8.4234, 11.7247, 7.1295



5.0458, 5.6231, 6.4252



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



9.9165, 12.3169, 15.2196



16.7932, 21.5577, 27.2061



8.2434, 8.9707, 14.6623



3.1818, 3.4919, 3.9412



9.6246, 14.0839, 19.1321



49.0414, 71.7637, 97.4857

Inverse Universe

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



8.8464, 7.4231, 6.2771



14.5838, 11.4534, 8.7425



10.1167, 9.9638, 6.7003



3.0998, 3.1168, 3.2557



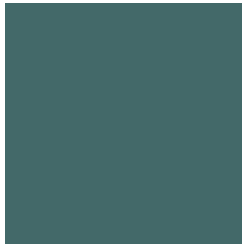
7.3765, 3.8027, 0.3453



37.5865, 19.3765, 1.7593

Previews

White Background



This preview shows how the XYZ color 9.9161, 12.3164, 15.2193 looks on a white background.

Color Contrast Check

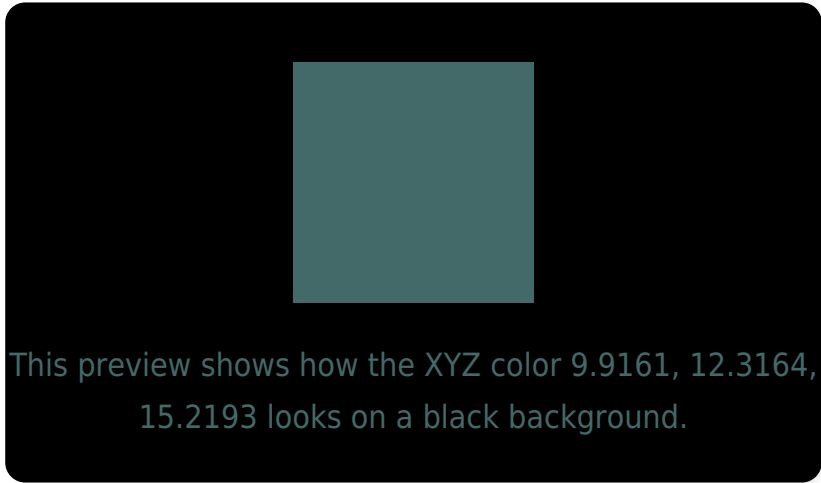
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 9.9161, 12.3164, 15.2193

Background



This preview shows how black text looks on a background with the XYZ color 9.9161, 12.3164, 15.2193.



This preview shows how white text looks on a background with the XYZ color 9.9161, 12.3164,

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

9.9161, 12.3164, 15.2193

Protanopia

11.8622, 12.3276, 14.0662

Deuteranopia

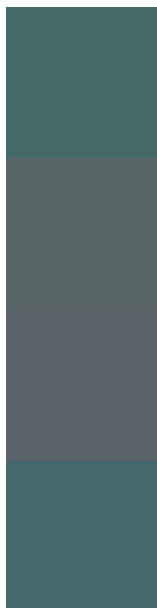
12.3396, 12.1295, 15.6008



Tritanopia

10.3292, 12.3357, 17.1659

Trichromacy



Original Color

9.9161, 12.3164, 15.2193

Protanomaly

10.9824, 12.2929, 14.3643

Deuteranomaly

11.2798, 12.1379, 15.3840

Tritanomaly

10.0945, 12.2337, 16.2973

Monochromacy



Original Color

9.9161, 12.3164, 15.2193

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.2284, 11.5020, 13.2363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9161, 12.3164, 15.2193 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(67, 105, 105)` looks like.

```
.text, #text, p{  
    color:rgb(67, 105, 105)  
}
```

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(67, 105, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 105, 105) }
```

Border

The CSS property to change the border of an element to XYZ 9.9161, 12.3164, 15.2193 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(67, 105, 105) }
```


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

```
.border{ border-color:rgb(67, 105, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 105, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 105, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 105, 105);  
box-shadow:4px 4px 4px 4px rgb(67, 105,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9161, 12.3164, 15.2193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 105, 105) }
```

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

```
.background{ background-color: rgb(67, 105,  
105) }
```

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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