

Converting Colors

XYZ(10.3408, 12.1172, 19.2467)

Have a look what the booklet for
XYZ(10.3408, 12.1172, 19.2467)
contains.

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Color

**XYZ(10.3600, 12.1562,
19.2531)**

Conversions

Conversions Part 1

Format	Color
Hex	416777
RGB	65, 103, 119
RGB Percent	25%, 40%, 47%
CMY	0.7451, 0.5961, 0.5333
CMYK	0.45, 0.13, 0.00, 0.53
HSL	198°, 29%, 36%
HSV	198°, 45%, 47%
XYZ	10.3600, 12.1562, 19.2531
YIQ	93.4620, -27.7840, -3.0800

Conversions

Conversions Part 2

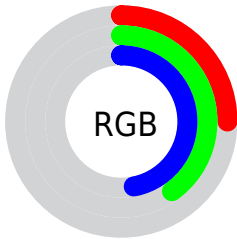
Format	Color
R_{YB}	65, 87, 119
Decimal	4286327
CIE _{Lab}	41.46, -8.84, -13.18
CIE _{LCh}	41, 15.874, 236.138
Yxy	12.1562, 0.2480, 0.2910
Android (android.graphics.Color)	4282476407 (0xFF416777)
YUV	93.4620, 12.5902, -24.9612
Hunter-Lab	34.8657, -7.9756, -8.3343




Details

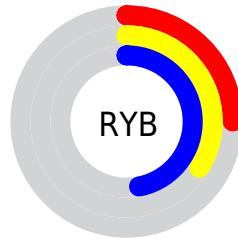
The XYZ color **10.3600, 12.1562, 19.2531** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.5046, 10.1888, 6.3617**, and the grayscale version is **10.4890, 11.0352, 12.0173**.




A 20% lighter version of the original color is **26.1087, 29.7645, 42.8971**, and **2.7175, 3.3688, 6.4683** is the 20% darker color. If you saturate the color by 10%, you get **9.3105, 11.1057, 19.1059**, and if you desaturate by 10%, it is **11.5911, 13.3228, 19.4136**.

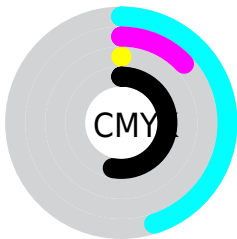
Distribution







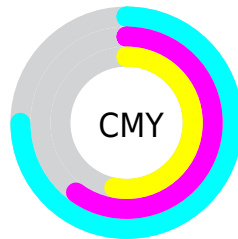
-  Red (25%)
-  Green (40%)
-  Blue (47%)






-  Red (25%)
-  Yellow (34%)
-  Blue (47%)



-  Cyan (45%)
-  Magenta (13%)
-  Yellow (0%)
-  Black (53%)



-  Cyan (75%)
-  Magenta (60%)
-  Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3600, 12.1562, 19.2531 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 10.3600, 12.1562, 19.2531 by changing the saturation by 10% instead.

■ 10.3600, 12.1562,
19.2531

■ 10.3600, 12.1562,
19.2531

187.2229,
205.4366, 260.3116

■ 5.7024, 6.8501,
11.6746

■ 26.1140, 29.7793,
43.0037

■ 2.7039, 3.3686,
6.4027

■ 37.9412, 42.8651,
60.0130

■ 0.9992, 1.3270,
3.0187

■ 52.8888, 59.3129,
81.0029

■ 0.0000, 0.1620,
1.1042

■ 71.3224, 79.5072,
106.3920

■ 0.0000, 0.0000,
0.0000

■ 93.6073, 103.8323,
136.5989

120.1087,

132.6727, 172.0421

151.1922,
166.4127, 213.1402

■ 10.3600, 12.1562,
19.2531

■ 10.3600, 12.1562,
19.2531

■ 9.3105, 11.1057,
19.1059

■ 11.5911, 13.3228,
19.4136

■ 8.4307, 10.1641,
18.9705

■ 13.0124, 14.6094,
19.5870

■ 7.7091, 9.3255,
18.8467

■ 14.6334, 16.0214,
19.7741

■ 7.1322, 8.5827,
18.7337

■ 16.4624, 17.5634,
19.9754

■ 6.6766, 7.9232,
18.6304

■ 18.5075, 19.2398,
20.1912

■ 6.4802, 7.6326,
18.5847

■ 20.7761, 21.0546,
20.4219

■ 23.2753, 23.0118,
20.6680

■ 26.0120, 25.1152,
20.9297

■ 28.9927, 27.3682,
21.2075

Harmonies

Analogous

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



9.6724, 12.1562, 16.2413



10.3600, 12.1562, 19.2531



11.4051, 12.1562, 20.6525

Triad

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



10.3600, 12.1562, 19.2531



13.9153, 12.1562, 13.6691



10.6028, 12.1562, 8.3067

Complementary

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



10.3600, 12.1562, 19.2531



11.5046, 10.1888, 6.3617

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.



11.7044, 12.1562, 7.8490



10.3600, 12.1562, 19.2531



13.6653, 12.1562, 10.6264

Square

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



10.3600, 12.1562, 19.2531



13.4987, 12.1562, 17.1068



12.8366, 12.1562, 8.6247



9.8059, 12.1562, 9.9982

Rectangle

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



10.3600, 12.1562, 19.2531



12.1826, 12.1562, 20.3363



12.8366, 12.1562, 8.6247



10.9476, 12.1562, 8.0170

Sweetspot

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



10.3604, 12.1567, 19.2534



26.5210, 28.9606, 35.4452



10.2362, 14.9014, 9.9848



6.1545, 6.7515, 8.3855



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.



10.3604, 12.1567, 19.2534



16.6730, 19.8878, 34.2130



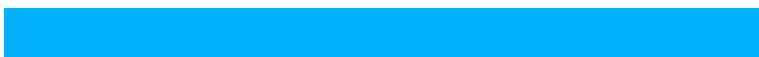
8.1431, 7.7220, 18.5143



3.6961, 3.9808, 4.6638



6.8762, 8.0921, 19.7421



32.7370, 37.8906, 95.9485

Inverse Universe

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



11.9466, 8.6822, 13.8786



19.9858, 13.2298, 22.8533



13.8512, 14.8820, 7.1439



3.7826, 3.7403, 4.3820



9.7679, 4.8409, 9.2520



47.2109, 23.4345, 43.0354

Previews

White Background



This preview shows how the XYZ color 10.3600, 12.1562, 19.2531 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 10.3600, 12.1562, 19.2531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

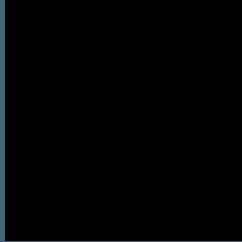
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

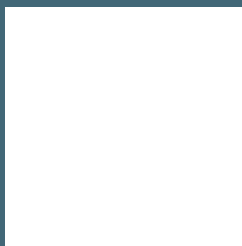
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.3600, 12.1562, 19.2531

Background



This preview shows how black text looks on a background with the XYZ color 10.3600, 12.1562, 19.2531.

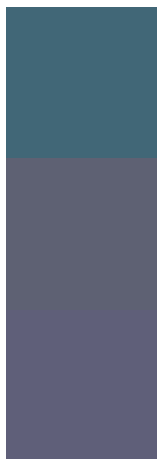


This preview shows how white text looks on a background with the XYZ color 10.3600, 12.1562,

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

10.3600, 12.1562, 19.2531

Protanopia

11.9853, 12.1669, 17.9364

Deuteranopia

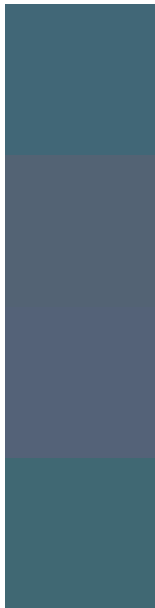
12.2627, 11.9978, 19.7586



Tritanopia

9.9248, 12.1272, 17.1469

Trichromacy



Original Color

10.3600, 12.1562, 19.2531

Protanomaly

11.1815, 12.0236, 18.2545

Deuteranomaly

11.4140, 11.9762, 19.4794

Tritanomaly

10.1592, 12.2284, 18.0445

Monochromacy



Original Color

10.3600, 12.1562, 19.2531

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.2402, 11.3477, 14.2210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3600, 12.1562, 19.2531 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(65, 103, 119)` looks like.

```
.text, #text, p{  
    color:rgb(65, 103, 119)  
}
```

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(65, 103, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 103, 119) }
```

Border

The CSS property to change the border of an element to XYZ 10.3600, 12.1562, 19.2531 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(65, 103, 119) }
```


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

```
.border{ border-color:rgb(65, 103, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 103, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 103, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 103, 119);  
box-shadow:4px 4px 4px 4px rgb(65, 103,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3600, 12.1562, 19.2531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 103, 119) }
```

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

```
.background{ background-color: rgb(65, 103,  
119) }
```

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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