

Converting Colors

XYZ(12.1601, 13.0873, 15.1289)

Have a look what the booklet for
XYZ(12.1601, 13.0873, 15.1289)
contains.

XYZ(12.1250, 13.0095, 15.2366)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.1250, 13.0095,
15.2366)**

Conversions

Conversions Part 1

Format	Color
Hex	606669
RGB	96, 102, 105
RGB Percent	38%, 40%, 41%
CMY	0.6235, 0.6000, 0.5882
CMYK	0.09, 0.03, 0.00, 0.59
HSL	200°, 4%, 39%
HSV	200°, 9%, 41%
XYZ	12.1250, 13.0095, 15.2366
YIQ	100.5480, -4.5390, -0.3390

Conversions

Conversions Part 2

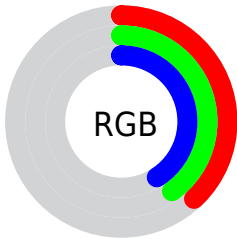
Format	Color
R_{YB}	96, 100, 105
Decimal	6317673
CIE _{Lab}	42.78, -1.65, -2.49
CIE _{LCh}	43, 2.990, 236.492
Yxy	13.0095, 0.3003, 0.3222
Android (android.graphics.Color)	4284507753 (0xFF606669)
YUV	100.5480, 2.1948, -3.9886
Hunter-Lab	36.0687, -3.1149, 0.2020

Details

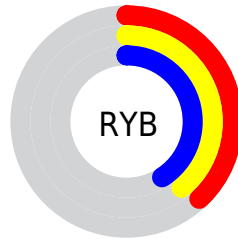
The XYZ color **12.1250, 13.0095, 15.2366** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3987, 12.7711, 12.8780**, and the grayscale version is **12.2490, 12.8869, 14.0338**.

A 20% lighter version of the original color is **29.4246, 31.3858, 35.9597**, and **3.4453, 3.7160, 4.5387** is the 20% darker color. If you saturate the color by 10%, you get **10.7569, 11.8050, 15.0764**, and if you desaturate by 10%, it is **13.6560, 14.3202, 15.4091**.

Distribution



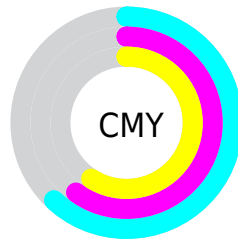
- Red (38%)
- Green (40%)
- Blue (41%)



- Red (38%)
- Yellow (39%)
- Blue (41%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (59%)



- Cyan (62%)
- Magenta (60%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1250, 13.0095, 15.2366 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 12.1250, 13.0095, 15.2366 by changing the saturation by 10% instead.

■ 12.1250, 13.0095,
15.2366

■ 12.1250, 13.0095,
15.2366

198.9841,
210.9785, 236.4838

■ 6.9017, 7.4351,
8.8371

■ 29.3374, 31.3209,
36.0159

■ 3.4465, 3.7357,
4.5397

■ 42.0573, 44.8266,
51.2328

■ 1.3940, 1.5268,
1.9259

■ 58.0067, 61.7449,
70.2259

■ 0.2520, 0.3075,
0.5091

■ 77.5509, 82.4601,
93.4138

■ 0.0000, 0.0000,
0.0000

101.0555,
107.3567, 121.2150

128.8856,

136.8190, 154.0480

161.4067,
171.2315, 192.3314

■ 12.1250, 13.0095,
15.2366

■ 12.1250, 13.0095,
15.2366

■ 10.7569, 11.8050,
15.0764

■ 13.6560, 14.3202,
15.4091

■ 9.5445, 10.7017,
14.9274

■ 15.3543, 15.7386,
15.5934

■ 8.4818, 9.6966,
14.7894

■ 17.2258, 17.2682,
15.7900

■ 7.5620, 8.7860,
14.6621

■ 19.2756, 18.9121,
15.9992

■ 6.7778, 7.9656,
14.5451

■ 21.5085, 20.6729,
16.2214

■ 6.1209, 7.2310,
14.4379

■ 23.9292, 22.5534,
16.4568

■ 5.5824, 6.5774,
14.3401

■ 26.5424, 24.5560,
16.7056

■ 5.1519, 5.9990,
14.2512

■ 29.3524, 26.6834,
16.9681

■ 4.7919, 5.4763,
14.1692

■ 32.3634, 28.9378,
17.2446

Harmonies

Analogous

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



11.9774, 13.0095, 14.7319



12.1250, 13.0095, 15.2366



12.3384, 13.0095, 15.4539

Triad

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



12.1250, 13.0095, 15.2366



12.8073, 13.0095, 14.2420



12.1709, 13.0095, 13.0722

Complementary

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



12.1250, 13.0095, 15.2366



12.3987, 12.7711, 12.8780

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.



12.3920, 13.0095, 12.9501



12.1250, 13.0095, 15.2366



12.7612, 13.0095, 13.6131

Square

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



12.1250, 13.0095, 15.2366



12.7338, 13.0095, 14.8687



12.6084, 13.0095, 13.1451



12.0037, 13.0095, 13.4841

Rectangle

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



12.1250, 13.0095, 15.2366



12.4898, 13.0095, 15.4018



12.6084, 13.0095, 13.1451



12.2413, 13.0095, 12.9965

Sweetspot

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



12.1254, 13.0100, 15.2369



23.1786, 24.5590, 27.4498



12.1205, 13.4881, 13.7315



5.3858, 5.7155, 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.



12.1254, 13.0100, 15.2369



21.2709, 22.9124, 27.2325



11.7087, 12.1768, 15.0980



3.1011, 3.3304, 3.9143



5.9694, 6.7732, 17.9150



29.5953, 32.8692, 91.0108

Inverse Universe

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



12.4071, 12.3284, 14.2968



21.8720, 21.4721, 25.2233



12.8223, 13.6182, 13.0191



3.1768, 3.1476, 3.6614



8.7600, 4.3561, 7.6304



44.2211, 22.0304, 36.6969

Previews

White Background



This preview shows how the XYZ color 12.1250, 13.0095, 15.2366 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 12.1250, 13.0095, 15.2366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

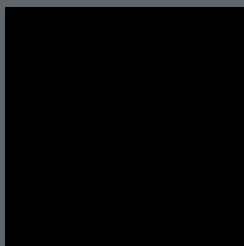
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

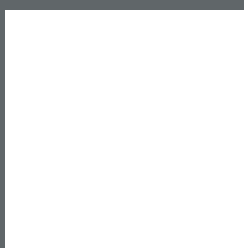
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1250, 13.0095, 15.2366

Background



This preview shows how black text looks on a background with the XYZ color 12.1250, 13.0095, 15.2366.



This preview shows how white text looks on a background with the XYZ color 12.1250, 13.0095,

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

12.1250, 13.0095, 15.2366

Protanopia

12.5354, 12.9386, 14.9334

Deuteranopia

13.1535, 12.9641, 15.4447



Tritanopia

12.3438, 12.9529, 16.3176

Trichromacy



Original Color

12.1250, 13.0095, 15.2366

Protanomaly

12.4079, 13.0162, 14.9551

Deuteranomaly

12.7723, 12.9073, 15.4539

Tritanomaly

12.2902, 12.9315, 16.0356

Monochromacy



Original Color

12.1250, 13.0095, 15.2366

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1975, 12.9193, 14.4212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1250, 13.0095, 15.2366 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(96, 102, 105) looks like.

```
.text, #text, p{  
    color:rgb(96, 102, 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(96, 102, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 102, 105) }
```

Border

The CSS property to change the border of an element to XYZ 12.1250, 13.0095, 15.2366 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(96, 102, 105) }
```


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

```
.border{ border-color:rgb(96, 102, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 102, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 102, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 102, 105);  
box-shadow:4px 4px 4px 4px rgb(96, 102,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1250, 13.0095, 15.2366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 102, 105) }
```

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

```
.background{ background-color: rgb(96, 102,  
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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