

Converting Colors

XYZ(3.1601, 3.3085, 4.2418)

Have a look what the booklet for
XYZ(3.1601, 3.3085, 4.2418)
contains.

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Color

XYZ(3.1643, 3.3061, 4.2128)

Conversions

Conversions Part 1

Format	Color
Hex	313338
RGB	49, 51, 56
RGB Percent	19%, 20%, 22%
CMY	0.8078, 0.8000, 0.7804
CMYK	0.12, 0.09, 0.00, 0.78
HSL	223°, 7%, 21%
HSV	223°, 12%, 22%
XYZ	3.1643, 3.3061, 4.2128
YIQ	50.9720, -2.7970, 1.1310

Conversions

Conversions Part 2

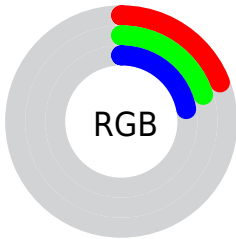
Format	Color
RYB	49, 51, 56
Decimal	3224376
CIELab	21.23, 0.37, -3.45
CIELCh	21, 3.475, 276.159
Yxy	3.3061, 0.2962, 0.3095
Android (android.graphics.Color)	4281414456 (0xFF313338)
YUV	50.9720, 2.4788, -1.7294
Hunter-Lab	18.1827, -0.7557, -1.0092

Details

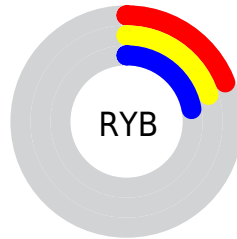
The XYZ color **3.1643, 3.3061, 4.2128** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **3.5046, 3.7011, 3.4356**, and the grayscale version is **3.1409, 3.3045, 3.5986**.

A 20% lighter version of the original color is **11.4422, 11.9616, 14.5377**, and **0.1394, 0.1441, 0.4012** is the 20% darker color. If you saturate the color by 10%, you get **2.7435, 2.8408, 4.1452**, and if you desaturate by 10%, it is **3.6339, 3.8191, 4.2871**.

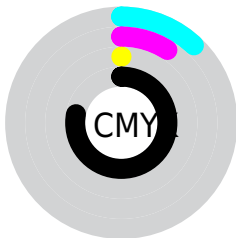
Distribution



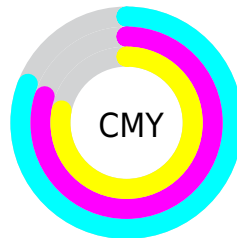
- Red (19%)
- Green (20%)
- Blue (22%)



- Red (19%)
- Yellow (20%)
- Blue (22%)



- Cyan (12%)
- Magenta (9%)
- Yellow (0%)
- Black (78%)



- Cyan (81%)
- Magenta (80%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 3.1643, 3.3061, 4.2128 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 3.1643, 3.3061, 4.2128 by changing the saturation by 10% instead.

■ 3.1643, 3.3061,
4.2128

■ 3.1643, 3.3061,
4.2128

■ 125.6671,
131.9465, 150.5621

■ 1.2412, 1.2936,
1.7428

■ 11.4660, 12.0089,
14.4976

■ 0.1386, 0.1362,
0.3898

■ 18.5753, 19.4680,
23.1496

■ 0.0000, 0.0000,
0.0000

■ 28.1440, 29.5114,
34.6992

■ 40.5376, 42.5234,
49.5651

■ 56.1213, 58.8886,
68.1658

■ 75.2606, 78.9912,

90.9198

98.3207, 103.2157,
118.2457

■ 3.1643, 3.3061,
4.2128

■ 3.1643, 3.3061,
4.2128

■ 2.7435, 2.8408,
4.1452

■ 3.6339, 3.8191,
4.2871

■ 2.3697, 2.4215,
4.0840

■ 4.1537, 4.3807,
4.3681

■ 2.0412, 2.0467,
4.0290

■ 4.7250, 4.9924,
4.4561

■ 1.7563, 1.7150,
3.9799

■ 5.3494, 5.6553,
4.5511

■ 1.5130, 1.4247,
3.9367

■ 6.0282, 6.3707,
4.6534

■ 1.3092, 1.1741,
3.8991

■ 6.7627, 7.1397,
4.7631

■ 1.1428, 0.9613,
3.8668

■ 7.5541, 7.9633,
4.8804

■ 0.9991, 0.7781,
3.8390

■ 8.4037, 8.8428,
5.0054

■ 0.8990, 0.6558,
3.8207

■ 9.3126, 9.7791,
5.1382

Harmonies

Analogous

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



3.0606, 3.3061, 4.1614



3.1643, 3.3061, 4.2128



3.2643, 3.3061, 4.0927

Triad

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



3.1643, 3.3061, 4.2128



3.3100, 3.3061, 3.2658



2.9593, 3.3061, 3.3686

Complementary

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



3.1643, 3.3061, 4.2128



3.5046, 3.7011, 3.4356

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.



3.0234, 3.3061, 3.1481



3.1643, 3.3061, 4.2128



3.2256, 3.3061, 3.0911

Square

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



3.1643, 3.3061, 4.2128



3.3497, 3.3061, 3.5374



3.1205, 3.3061, 3.0493



2.9438, 3.3061, 3.6629

Rectangle

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



3.1643, 3.3061, 4.2128



3.3149, 3.3061, 3.9352



3.1205, 3.3061, 3.0493



2.9758, 3.3061, 3.2840

Sweetspot

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



3.1644, 3.3062, 4.2129



6.1391, 6.4467, 7.3905



3.3445, 3.7469, 4.0248



1.7512, 1.8386, 2.1175



36.1244, 38.0056, 41.3881



1.8636, 1.9607, 2.1352

Same Dimension

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



3.1644, 3.3062, 4.2129



5.2248, 5.4451, 7.2454



3.1475, 3.1707, 4.1876



0.9876, 1.0347, 1.2494



2.2971, 1.5174, 10.2512



14.5819, 8.6427, 68.1248

Inverse Universe

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



3.3269, 3.2766, 3.5891



5.5739, 5.3867, 5.9040



3.5224, 3.8512, 3.4637



1.0201, 1.0282, 1.1247



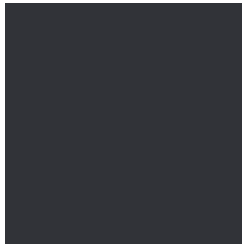
4.5825, 2.3406, 1.1999



30.1902, 15.4612, 6.0394

Previews

White Background



This preview shows how the XYZ color 3.1643, 3.3061, 4.2128 looks on a white background.

Color Contrast Check

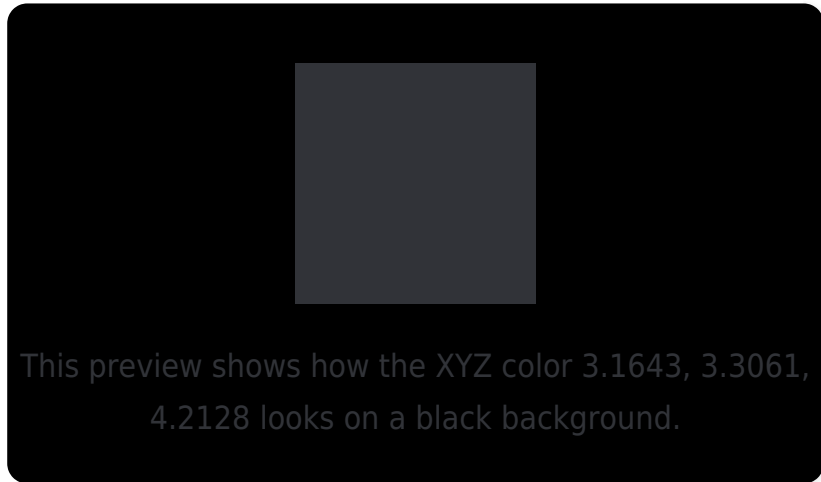
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

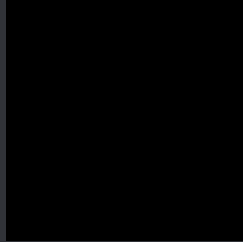
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

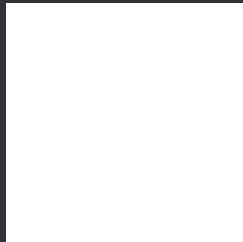
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 3.1643, 3.3061, 4.2128

Background



This preview shows how black text looks on a background with the XYZ color 3.1643, 3.3061, 4.2128.



This preview shows how white text looks on a background with the XYZ color 3.1643, 3.3061, 4.2128.

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

3.1643, 3.3061, 4.2128

Protanopia

3.2130, 3.3313, 4.2150

Deuteranopia

3.3226, 3.3236, 4.2078



Tritanopia

3.1400, 3.2965, 4.0852

Trichromacy



Original Color

3.1643, 3.3061, 4.2128

Protanomaly

3.2130, 3.3313, 4.2150

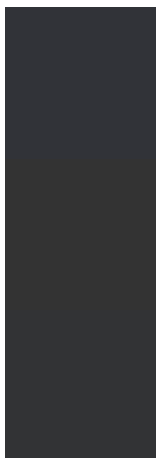
Deuteranomaly

3.2706, 3.2968, 4.2053

Tritanomaly

3.1400, 3.2965, 4.0852

Monochromacy



Original Color

3.1643, 3.3061, 4.2128

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

3.1418, 3.3028, 3.8401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 3.1643, 3.3061, 4.2128 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(49, 51, 56)` looks like.

```
.text, #text, p{  
    color:rgb(49, 51, 56)  
}
```

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(49, 51, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 51, 56) }
```

Border

The CSS property to change the border of an element to XYZ 3.1643, 3.3061, 4.2128 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(49, 51, 56) }
```

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

```
.border{ border-color:rgb(49, 51, 56) }
```

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

Here you see how a box with a 4 pixel rgb(49, 51, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 51, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 51, 56);  
box-shadow:4px 4px 4px 4px rgb(49, 51, 56)  
}
```


Background

The CSS property to change the background color of an element to XYZ 3.1643, 3.3061, 4.2128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 51, 56) }
```

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

```
.background{ background-color: rgb(49, 51,  
56) }
```

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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