

Converting Colors

XYZ(28.3756, 30.8446, 40.0969)

Have a look what the booklet for
XYZ(28.3756, 30.8446, 40.0969)
contains.

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Color

**XYZ(28.3361, 30.7333,
40.0360)**

Conversions

Conversions Part 1

Format	Color
Hex	8899A5
RGB	136, 153, 165
RGB Percent	53%, 60%, 65%
CMY	0.4667, 0.4000, 0.3529
CMYK	0.18, 0.07, 0.00, 0.35
HSL	205°, 14%, 59%
HSV	205°, 18%, 65%
XYZ	28.3361, 30.7333, 40.0360
YIQ	149.2850, -13.9840, 0.1280

Conversions

Conversions Part 2

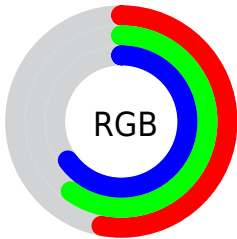
Format	Color
R_{YB}	136, 147, 165
Decimal	8952229
CIE Lab	62.28, -3.40, -8.31
CIE LCh	62, 8.983, 247.739
Yxy	30.7333, 0.2859, 0.3101
Android (android.graphics.Color)	4287142309 (0xFF8899A5)
YUV	149.2850, 7.7475, -11.6509
Hunter-Lab	55.4376, -5.7783, -4.0118

Details

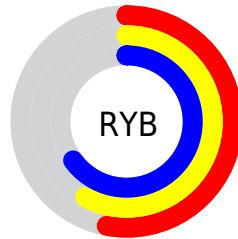
The XYZ color **28.3361, 30.7333, 40.0360** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.5512, 30.9567, 27.6582**, and the grayscale version is **28.6604, 30.1529, 32.8366**.

A 20% lighter version of the original color is **56.4663, 60.7401, 76.4581**, and **11.5698, 12.6734, 17.4592** is the 20% darker color. If you saturate the color by 10%, you get **24.7746, 27.2865, 39.5589**, and if you desaturate by 10%, it is **32.3760, 34.5232, 40.5551**.

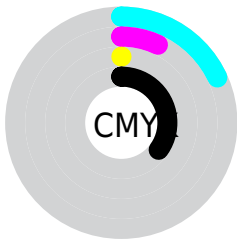
Distribution



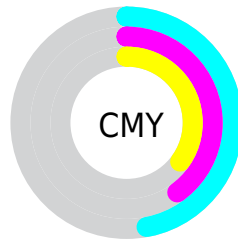
- Red (53%)
- Green (60%)
- Blue (65%)



- Red (53%)
- Yellow (58%)
- Blue (65%)



- Cyan (18%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)



- Cyan (47%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3361, 30.7333, 40.0360 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 28.3361, 30.7333, 40.0360 by changing the saturation by 10% instead.

■ 28.3361, 30.7333,
40.0360

■ 28.3361, 30.7333,
40.0360

286.1205,
305.3078, 361.8319

■ 18.7209, 20.3958,
27.2526

■ 56.4255, 60.8199,
76.4560

■ 11.5716, 12.6831,
17.5289

■ 75.6304, 81.3379,
100.9297

■ 6.5228, 7.2107,
10.4464

■ 98.7626, 106.0182,
130.1373

■ 3.2092, 3.5942,
5.5865

126.1875,
135.2451, 164.4973

■ 1.2653, 1.4493,
2.5306

158.2704,
169.4032, 204.4282

■ 0.1570, 0.2526,
0.8563

195.3766,

■ 0.0000, 0.0000,

208.8767, 250.3485

0.0000

237.8715,
254.0501, 302.6769

■ 28.3361, 30.7333,
40.0360

■ 28.3361, 30.7333,
40.0360

■ 24.7746, 27.2865,
39.5589

■ 32.3760, 34.5232,
40.5551

■ 21.6687, 24.1671,
39.1205

■ 36.9101, 38.6636,
41.1153

■ 18.9982, 21.3639,
38.7202

■ 41.9569, 43.1662,
41.7184

■ 16.7397, 18.8631,
38.3565

■ 47.5331, 48.0411,
42.3654

■ 14.8677, 16.6500,
38.0280

■ 53.6547, 53.2980,
43.0575

■ 13.3536, 14.7080,
37.7330

■ 60.3368, 58.9461,
43.7955

■ 12.1642, 13.0182,
37.4695

■ 67.5941, 64.9943,
44.5804

■ 11.2461, 11.5512,
37.2347

■ 70.4939, 68.9012,
45.1817

■ 11.0419, 11.2173,
37.1810

■ 72.1903, 72.2939,
45.7471

Harmonies

Analogous

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



27.4046, 30.7333, 37.7220



28.3361, 30.7333, 40.0360



29.5264, 30.7333, 40.5307

Triad

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



28.3361, 30.7333, 40.0360



31.5845, 30.7333, 32.5716



27.8062, 30.7333, 28.4524

Complementary

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



28.3361, 30.7333, 40.0360



30.5512, 30.9567, 27.6582

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.



28.8980, 30.7333, 27.2693



28.3361, 30.7333, 40.0360



31.0953, 30.7333, 29.5379

Square

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



28.3361, 30.7333, 40.0360



31.4240, 30.7333, 36.0590



30.1039, 30.7333, 27.6525



27.1046, 30.7333, 30.9953

Rectangle

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



28.3361, 30.7333, 40.0360



30.3105, 30.7333, 39.7326



30.1039, 30.7333, 27.6525



28.1385, 30.7333, 27.8908

Sweetspot

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



28.3370, 30.7346, 40.0367



59.9150, 63.6099, 72.8724



28.9227, 34.2706, 32.9423



12.9844, 13.8013, 15.9171



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



28.3370, 30.7346, 40.0367



48.2197, 52.6194, 71.3674



26.1636, 26.3878, 39.3122



7.0293, 7.5175, 8.9836



8.4033, 8.5860, 28.1441



0.2216, 0.2704, 0.6064

Inverse Universe

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



30.0717, 27.9083, 33.9403



51.9357, 46.7502, 58.2664



32.8995, 35.6534, 28.4410



7.2397, 7.1523, 8.2489



13.3871, 6.7109, 9.2289



0.3040, 0.1501, 0.3136

Previews

White Background



This preview shows how the XYZ color 28.3361, 30.7333, 40.0360 looks on a white background.

Color Contrast Check

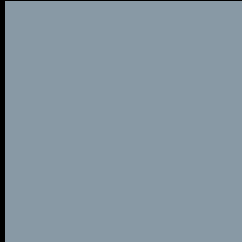
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.3361, 30.7333, 40.0360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

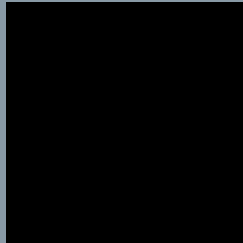
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

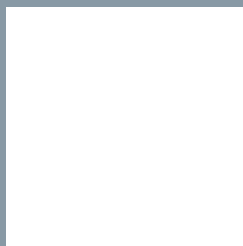
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3361, 30.7333, 40.0360

Background



This preview shows how black text looks on a background with the XYZ color 28.3361, 30.7333, 40.0360.

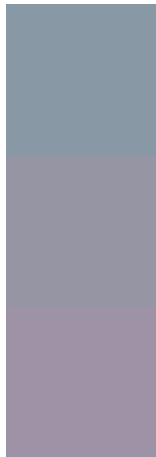


This preview shows how white text looks on a background with the XYZ color 28.3361, 30.7333,

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

28.3361, 30.7333, 40.0360

Protanopia

29.7527, 30.5288, 38.9748

Deuteranopia

31.0664, 30.4790, 40.3221



Tritanopia

28.3361, 30.7333, 40.0360

Trichromacy



Original Color

28.3361, 30.7333, 40.0360

Protanomaly

29.1088, 30.4223, 39.4599

Deuteranomaly

30.0248, 30.6376, 40.4076

Tritanomaly

28.3361, 30.7333, 40.0360

Monochromacy



Original Color

28.3361, 30.7333, 40.0360

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.3243, 30.1085, 35.3290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3361, 30.7333, 40.0360 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(136, 153, 165)` looks like.

```
.text, #text, p{  
    color:rgb(136, 153, 165)  
}
```

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(136, 153, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 153, 165) }
```

Border

The CSS property to change the border of an element to XYZ 28.3361, 30.7333, 40.0360 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(136, 153, 165) }
```


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

```
.border{ border-color:rgb(136, 153, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 153, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 153, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 153, 165);  
box-shadow:4px 4px 4px 4px rgb(136, 153,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3361, 30.7333, 40.0360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 153, 165) }
```

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

```
.background{ background-color: rgb(136,  
153, 165) }
```

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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