

Converting Colors

XYZ(20.2756, 28.4207, 36.2639)

Have a look what the booklet for
XYZ(20.2756, 28.4207, 36.2639)
contains.

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Color

**XYZ(20.2875, 28.4167,
36.3140)**

Conversions

Conversions Part 1

Format	Color
Hex	38A09D
RGB	56, 160, 157
RGB Percent	22%, 63%, 62%
CMY	0.7804, 0.3725, 0.3843
CMYK	0.65, 0.00, 0.02, 0.37
HSL	178°, 48%, 42%
HSV	178°, 65%, 63%
XYZ	20.2875, 28.4167, 36.3140
YIQ	128.5620, -61.0210, -22.9810

Conversions

Conversions Part 2

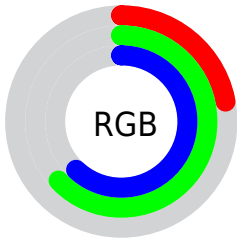
Format	Color
RYB	56, 109, 160
Decimal	3711133
CIELab	60.26, -29.91, -7.21
CIElCh	60, 30.764, 193.552
Yxy	28.4167, 0.2386, 0.3342
Android (android.graphics.Color)	4281901213 (0xFF38A09D)
YUV	128.5620, 14.0199, -63.6369
Hunter-Lab	53.3073, -25.3549, -3.0744

Details

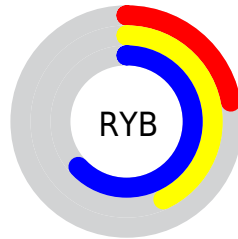
The XYZ color **20.2875, 28.4167, 36.3140** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.7018, 10.6186, 5.3079**, and the grayscale version is **20.6820, 21.7591, 23.6957**.

A 20% lighter version of the original color is **43.2608, 57.0170, 70.3533**, and **7.9641, 11.7657, 15.4869** is the 20% darker color. If you saturate the color by 10%, you get **19.4931, 28.0123, 36.0720**, and if you desaturate by 10%, it is **21.3696, 28.9706, 36.5715**.

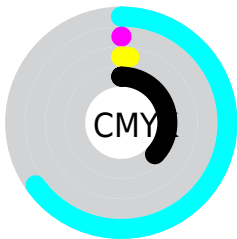
Distribution



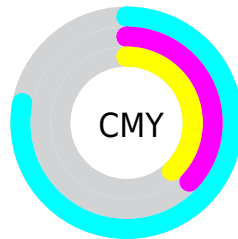
- Red (22%)
- Green (63%)
- Blue (62%)



- Red (22%)
- Yellow (43%)
- Blue (63%)



- Cyan (65%)
- Magenta (0%)
- Yellow (2%)
- Black (37%)



- Cyan (78%)
- Magenta (37%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2875, 28.4167, 36.3140 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 20.2875, 28.4167, 36.3140 by changing the saturation by 10% instead.

■ 20.2875, 28.4167,
36.3140

■ 20.2875, 28.4167,
36.3140

246.2713,
294.4527, 345.4097

■ 12.7137, 18.6400,
24.3852

■ 43.3989, 57.1490,
70.6909

■ 7.3073, 11.4104,
15.4048

■ 59.6673, 76.8735,
93.9761

■ 3.7031, 6.3436,
8.9542

■ 79.5645, 100.6826,
121.8839

■ 1.5356, 3.0551,
4.6149

■ 103.4560,
128.9609, 154.8327

■ 0.3498, 1.1606,
1.9684

■ 131.7070,
162.0926, 193.2412

■ 0.0000, 0.0292,
0.5357

164.6830,

■ 0.0000, 0.0000,

200.4622, 237.5278

0.0000

202.7493,
244.4541, 288.1111

■ 20.2875, 28.4167,
36.3140

■ 20.2875, 28.4167,
36.3140

■ 19.4931, 28.0123,
36.0720

■ 21.3696, 28.9706,
36.5715

■ 18.9554, 27.7397,
35.8422

■ 22.7614, 29.6835,
36.8436

■ 18.6397, 27.5815,
35.6235

■ 24.4858, 30.5679,
37.1321

■ 18.5200, 27.5220,
35.5162

■ 26.5627, 31.6340,
37.4379

■ 29.0106, 32.8913,
37.7618

■ 31.8467, 34.3487,
38.1046

■ 35.0869, 36.0144,
38.4672

■ 38.7464, 37.8963,
38.8501

■ 42.8396, 40.0017,
39.2541

Harmonies

Analogous

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



20.3696, 28.4167, 25.1899



20.2875, 28.4167, 36.3140



21.8776, 28.4167, 48.4466

Triad

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



20.2875, 28.4167, 36.3140



32.5783, 28.4167, 49.5010



29.2138, 28.4167, 14.4363

Complementary

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



20.2875, 28.4167, 36.3140



16.7018, 10.6186, 5.3079

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.



32.8864, 28.4167, 18.2599



20.2875, 28.4167, 36.3140



34.9544, 28.4167, 37.5068

Square

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



20.2875, 28.4167, 36.3140



28.8254, 28.4167, 57.2206



35.0724, 28.4167, 26.1259



25.2710, 28.4167, 14.2660

Rectangle

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



20.2875, 28.4167, 36.3140



23.7705, 28.4167, 54.7435



35.0724, 28.4167, 26.1259



30.5295, 28.4167, 15.2851

Sweetspot

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



20.2883, 28.4178, 36.3147



50.6463, 58.6779, 68.3011



15.1169, 26.3724, 8.0357



10.8482, 12.7357, 14.9449



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.2883, 28.4178, 36.3147



34.8981, 50.6094, 65.3034



13.7125, 14.8509, 35.4027



6.8136, 7.5062, 8.4529



14.4292, 21.4396, 27.6809



0.2603, 0.3843, 0.5071

Inverse Universe

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



16.7018, 10.6186, 5.3079



27.8910, 15.7605, 4.6705



20.2163, 17.7686, 6.1062



6.6404, 6.6491, 6.9576



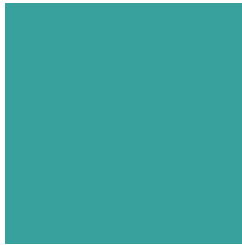
11.3157, 5.8308, 0.6474



0.2043, 0.1051, 0.0222

Previews

White Background



This preview shows how the XYZ color 20.2875, 28.4167, 36.3140 looks on a white 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

Black Background



This preview shows how the XYZ color 20.2875, 28.4167, 36.3140 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 × Fail

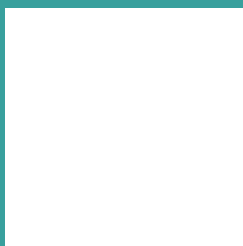
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2875, 28.4167, 36.3140

Background



This preview shows how black text looks on a background with the XYZ color 20.2875, 28.4167, 36.3140.

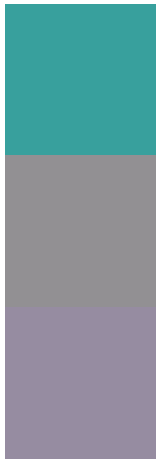


This preview shows how white text looks on a background with the XYZ color 20.2875, 28.4167,

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

20.2875, 28.4167, 36.3140

Protanopia

27.0938, 28.1641, 31.6120

Deuteranopia

28.3888, 27.8134, 37.5905



Tritanopia

21.6274, 28.4508, 42.8797

Trichromacy



Original Color

20.2875, 28.4167, 36.3140

Protanomaly

23.3023, 27.5578, 33.3692

Deuteranomaly

23.9813, 27.1185, 37.2281

Tritanomaly

21.1446, 28.5101, 40.4650

Monochromacy



Original Color

20.2875, 28.4167, 36.3140

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.5178, 23.4450, 27.9227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2875, 28.4167, 36.3140 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(56, 160, 157)` looks like.

```
.text, #text, p{  
    color:rgb(56, 160, 157)  
}
```

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(56, 160, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 160, 157) }
```

Border

The CSS property to change the border of an element to XYZ 20.2875, 28.4167, 36.3140 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(56, 160, 157) }
```


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

```
.border{ border-color:rgb(56, 160, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 160, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 160, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 160, 157);  
box-shadow:4px 4px 4px 4px rgb(56, 160,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2875, 28.4167, 36.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 160, 157) }
```

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

```
.background{ background-color: rgb(56, 160,  
157) }
```

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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