

Converting Colors

XYZ(20.6206, 28.6066, 35.5342)

Have a look what the booklet for
XYZ(20.6206, 28.6066, 35.5342)
contains.

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Color

**XYZ(20.6016, 28.5982,
35.4445)**

Conversions

Conversions Part 1

Format	Color
Hex	40A09B
RGB	64, 160, 155
RGB Percent	25%, 63%, 61%
CMY	0.7490, 0.3725, 0.3922
CMYK	0.60, 0.00, 0.03, 0.37
HSL	177°, 43%, 44%
HSV	177°, 60%, 63%
XYZ	20.6016, 28.5982, 35.4445
YIQ	130.7260, -55.6110, -21.9070

Conversions

Conversions Part 2

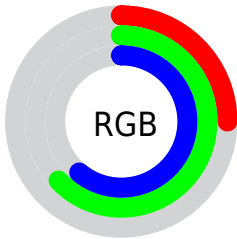
Format	Color
R _Y B	64, 113, 160
Decimal	4235419
CIE Lab	60.43, -29.07, -5.81
CIE LCh	60, 29.648, 191.308
Yxy	28.5982, 0.2434, 0.3379
Android (android.graphics.Color)	4282425499 (0xFF40A09B)
YUV	130.7260, 11.9671, -58.5187
Hunter-Lab	53.4773, -24.8199, -1.8630

Details

The XYZ color **20.6016, 28.5982, 35.4445** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.4058, 11.5710, 6.9474**, and the grayscale version is **21.4495, 22.5666, 24.5750**.

A 20% lighter version of the original color is **43.8351, 57.3419, 69.0793**, and **7.8613, 11.7246, 14.9454** is the 20% darker color. If you saturate the color by 10%, you get **19.6371, 28.1097, 35.0358**, and if you desaturate by 10%, it is **21.8668, 29.2430, 35.8711**.

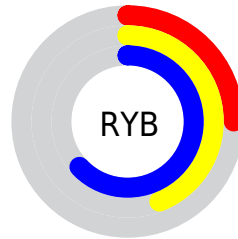
Distribution



Red (25%)

Green (63%)

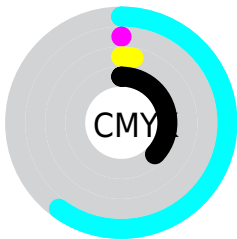
Blue (61%)



Red (25%)

Yellow (44%)

Blue (63%)

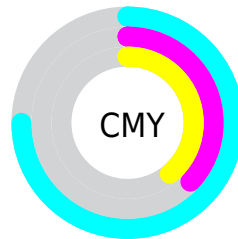


Cyan (60%)

Magenta (0%)

Yellow (3%)

Black (37%)



Cyan (75%)

Magenta (37%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6016, 28.5982, 35.4445 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 20.6016, 28.5982, 35.4445 by changing the saturation by 10% instead.

■ 20.6016, 28.5982,
35.4445

■ 20.6016, 28.5982,
35.4445

247.9256,
295.3144, 341.4897

■ 12.9439, 18.7771,
23.7192

■ 43.9198, 57.4381,
69.3332

■ 7.4667, 11.5093,
14.9152

■ 60.3111, 77.2256,
92.3336

■ 3.8045, 6.4105,
8.6139

■ 80.3442, 101.1041,
119.9295

■ 1.5922, 3.0963,
4.3969

■ 104.3845,
129.4580, 152.5394

■ 0.3873, 1.1822,
1.8455

■ 132.7975,
162.6715, 190.5818

■ 0.0000, 0.0471,
0.4577

165.9484,

■ 0.0000, 0.0000,

201.1292, 234.4753

0.0000

204.2027,
245.2153, 284.6384

■ 20.6016, 28.5982,
35.4445

■ 20.6016, 28.5982,
35.4445

■ 19.6371, 28.1097,
35.0358

■ 21.8668, 29.2430,
35.8711

■ 18.9445, 27.7606,
34.6416

■ 23.4533, 30.0527,
36.3147

■ 18.4936, 27.5362,
34.2613

■ 25.3829, 31.0392,
36.7768

■ 18.2115, 27.3987,
33.8914

■ 27.6748, 32.2124,
37.2584

■ 18.2115, 27.3986,
33.8913

■ 30.3467, 33.5815,
37.7604

■ 33.4153, 35.1550,
38.2835

■ 36.8960, 36.9409,
38.8284

■ 40.8037, 38.9469,
39.3958

■ 45.1523, 41.1801,
39.9865

Harmonies

Analogous

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



20.8056, 28.5982, 24.8767



20.6016, 28.5982, 35.4445



22.0332, 28.5982, 47.1757

Triad

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



20.6016, 28.5982, 35.4445



32.3198, 28.5982, 49.7458



29.6022, 28.5982, 15.1707

Complementary

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



20.6016, 28.5982, 35.4445



17.4058, 11.5710, 6.9474

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.



33.0757, 28.5982, 19.2228



20.6016, 28.5982, 35.4445



34.7432, 28.5982, 38.3719

Square

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



20.6016, 28.5982, 35.4445



28.6464, 28.5982, 56.6307



35.0321, 28.5982, 27.1963



25.7679, 28.5982, 14.7410

Rectangle

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



20.6016, 28.5982, 35.4445



23.8083, 28.5982, 53.4548



35.0321, 28.5982, 27.1963



30.8596, 28.5982, 16.1006

Sweetspot

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



20.6024, 28.5993, 35.4452



50.9999, 58.8717, 67.7960



16.0519, 26.8300, 9.1839



10.9123, 12.7718, 14.8147



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.



20.6024, 28.5993, 35.4452



35.1747, 50.7952, 63.3669



14.9862, 16.6805, 35.6887



6.8069, 7.5035, 8.4178



14.1910, 21.3443, 26.4267



0.2578, 0.3833, 0.4940

Inverse Universe

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



17.4058, 11.5710, 6.9474



28.8586, 17.0496, 6.9849



20.5366, 18.0707, 7.2569



6.6464, 6.6515, 6.9889



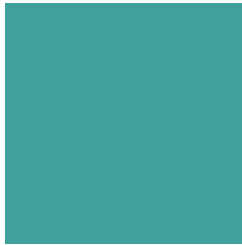
11.3339, 5.8381, 0.7432



0.2063, 0.1058, 0.0324

Previews

White Background



This preview shows how the XYZ color 20.6016, 28.5982, 35.4445 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 20.6016, 28.5982, 35.4445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

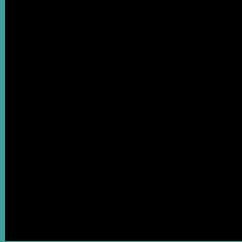
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.6016, 28.5982, 35.4445

Background



This preview shows how black text looks on a background with the XYZ color 20.6016, 28.5982, 35.4445.

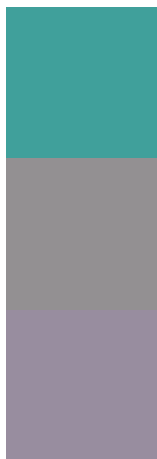


This preview shows how white text looks on a background with the XYZ color 20.6016, 28.5982,

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

20.6016, 28.5982, 35.4445

Protanopia

27.1942, 28.2249, 31.2088

Deuteranopia

28.7318, 28.2284, 36.7352



Tritanopia

22.0811, 28.6956, 42.4052

Trichromacy



Original Color

20.6016, 28.5982, 35.4445

Protanomaly

23.6673, 27.7645, 32.5455

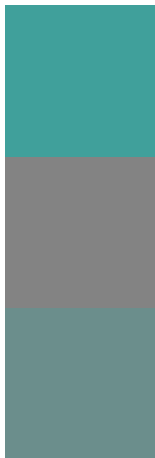
Deuteranomaly

24.5072, 27.6415, 36.3914

Tritanomaly

21.5736, 28.7418, 40.0080

Monochromacy



Original Color

20.6016, 28.5982, 35.4445

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.4700, 24.3653, 28.4350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6016, 28.5982, 35.4445 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(64, 160, 155)` looks like.

```
.text, #text, p{  
    color:rgb(64, 160, 155)  
}
```

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(64, 160, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 160, 155) }
```

Border

The CSS property to change the border of an element to XYZ 20.6016, 28.5982, 35.4445 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(64, 160, 155) }
```


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

```
.border{ border-color:rgb(64, 160, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 160, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 160, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 160, 155);  
box-shadow:4px 4px 4px 4px rgb(64, 160,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6016, 28.5982, 35.4445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 160, 155) }
```

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

```
.background{ background-color: rgb(64, 160,  
155) }
```

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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