

Converting Colors

XYZ(13.3603, 18.5476, 20.6908)

Have a look what the booklet for
XYZ(13.3603, 18.5476, 20.6908)
contains.

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Color

**XYZ(13.3699, 18.5493,
20.6450)**

Conversions

Conversions Part 1

Format	Color
Hex	3C8378
RGB	60, 131, 120
RGB Percent	24%, 51%, 47%
CMY	0.7647, 0.4863, 0.5294
CMYK	0.54, 0.00, 0.08, 0.49
HSL	171°, 37%, 37%
HSV	171°, 54%, 51%
XYZ	13.3699, 18.5493, 20.6450
YIQ	108.5170, -38.7850, -18.4730

Conversions

Conversions Part 2

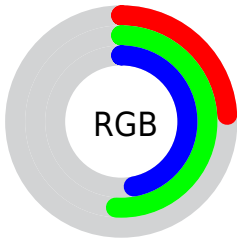
Format	Color
R_{YB}	60, 98, 131
Decimal	3965816
CIE _{Lab}	50.16, -25.12, -0.84
CIE _{LCh}	50, 25.132, 181.909
Yxy	18.5493, 0.2544, 0.3529
Android (android.graphics.Color)	4282155896 (0xFF3C8378)
YUV	108.5170, 5.6611, -42.5494
Hunter-Lab	43.0689, -19.9587, 1.7277




Details

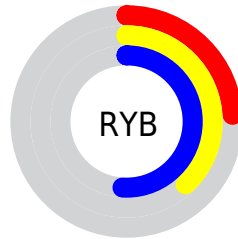
The XYZ color **13.3699, 18.5493, 20.6450** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.1138, 8.5124, 6.9664**, and the grayscale version is **14.3920, 15.1415, 16.4891**.




A 20% lighter version of the original color is **31.5263, 40.8369, 45.2504**, and **4.1121, 6.3527, 7.1404** is the 20% darker color. If you saturate the color by 10%, you get **12.5527, 18.1425, 19.9708**, and if you desaturate by 10%, it is **14.3868, 19.0596, 21.3430**.

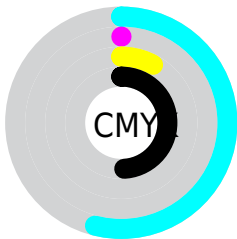
Distribution







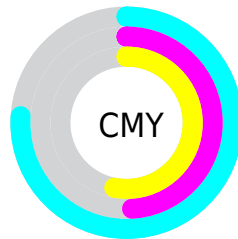
-  Red (24%)
-  Green (51%)
-  Blue (47%)






-  Red (24%)
-  Yellow (38%)
-  Blue (51%)



-  Cyan (54%)
-  Magenta (0%)
-  Yellow (8%)
-  Black (49%)



-  Cyan (76%)
-  Magenta (49%)
-  Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3699, 18.5493, 20.6450 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 13.3699, 18.5493, 20.6450 by changing the saturation by 10% instead.

■ 13.3699, 18.5493,
20.6450

■ 13.3699, 18.5493,
20.6450

206.8649,
243.9492, 268.1046

■ 7.7625, 11.3451,
12.6760

■ 31.5624, 40.9711,
45.3691

■ 3.9939, 6.2994,
7.0778

■ 44.8783, 56.9575,
62.9612

■ 1.6987, 3.0280,
3.4316

■ 61.4943, 76.6401,
84.5983

■ 0.4554, 1.1464,
1.3190

■ 81.7759, 100.4032,
110.6986

■ 0.0000, 0.0172,
0.0773

■ 106.0884,
128.6313, 141.6809

■ 0.0000, 0.0000,
0.0000

134.7972,

161.7087, 177.9636

168.2676,
200.0199, 219.9654

■ 13.3699, 18.5493,
20.6450

■ 13.3699, 18.5493,
20.6450

■ 12.5527, 18.1425,
19.9708

■ 14.3868, 19.0596,
21.3430

■ 11.9187, 17.8295,
19.3184

■ 15.6150, 19.6780,
22.0642

■ 11.4518, 17.6023,
18.6872

■ 17.0671, 20.4116,
22.8096

■ 11.1298, 17.4495,
18.0762

■ 18.7543, 21.2661,
23.5800

■ 10.9696, 17.3744,
17.7290

■ 20.6871, 22.2469,
24.3758

■ 22.8752, 23.3590,
25.1975

■ 25.3278, 24.6071,
26.0458

■ 28.0539, 25.9959,
26.9211

■ 31.0617, 27.5296,
27.8238

Harmonies

Analogous

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



13.8296, 18.5493, 14.5403



13.3699, 18.5493, 20.6450



13.9621, 18.5493, 28.1074

Triad

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



13.3699, 18.5493, 20.6450



20.2111, 18.5493, 33.7820



19.9179, 18.5493, 10.5603

Complementary

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



13.3699, 18.5493, 20.6450



12.1138, 8.5124, 6.9664

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.



21.8912, 18.5493, 13.9303



13.3699, 18.5493, 20.6450



22.0710, 18.5493, 27.1582

Square

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



13.3699, 18.5493, 20.6450



17.7863, 18.5493, 36.6940



22.7120, 18.5493, 19.7556



17.4757, 18.5493, 9.5767

Rectangle

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



13.3699, 18.5493, 20.6450



14.9083, 18.5493, 32.6316



22.7120, 18.5493, 19.7556



20.6655, 18.5493, 11.4066

Sweetspot

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



13.3704, 18.5500, 20.6454



32.8909, 37.7306, 41.9218



11.5925, 17.9309, 7.1253



7.5322, 8.7209, 9.7041



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.3704, 18.5500, 20.6454



22.1889, 32.3448, 35.4898



11.2532, 13.1850, 23.4254



4.7714, 5.2668, 5.8077



10.7983, 17.1022, 17.4550



0.0395, 0.0601, 0.0714

Inverse Universe

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



12.1138, 8.5124, 6.9664



19.7069, 12.3875, 8.3744



13.3208, 11.4411, 5.7815



4.6998, 4.6996, 5.0317



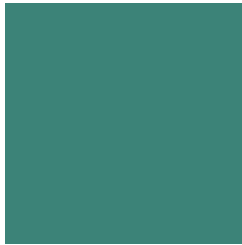
9.3412, 4.8008, 1.1032



0.0341, 0.0173, 0.0129

Previews

White Background



This preview shows how the XYZ color 13.3699, 18.5493, 20.6450 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 13.3699, 18.5493, 20.6450 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 13.3699, 18.5493, 20.6450

Background



This preview shows how black text looks on a background with the XYZ color 13.3699, 18.5493, 20.6450.

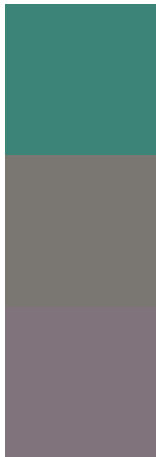


This preview shows how white text looks on a background with the XYZ color 13.3699, 18.5493,

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

13.3699, 18.5493, 20.6450

Protanopia

17.4851, 18.2867, 18.2309

Deuteranopia

18.6080, 18.2807, 21.2867



Tritanopia

14.6261, 18.4607, 27.2185

Trichromacy



Original Color

13.3699, 18.5493, 20.6450

Protanomaly

15.3809, 18.0795, 19.2020

Deuteranomaly

15.9437, 17.9634, 21.0393

Tritanomaly

14.1295, 18.4564, 24.6475

Monochromacy



Original Color

13.3699, 18.5493, 20.6450

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.6563, 16.1390, 18.0182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3699, 18.5493, 20.6450 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(60, 131, 120)` looks like.

```
.text, #text, p{  
    color:rgb(60, 131, 120)  
}
```

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(60, 131, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 131, 120) }
```

Border

The CSS property to change the border of an element to XYZ 13.3699, 18.5493, 20.6450 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(60, 131, 120) }
```


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

```
.border{ border-color:rgb(60, 131, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 131, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 131, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 131, 120);  
box-shadow:4px 4px 4px 4px rgb(60, 131,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3699, 18.5493, 20.6450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 131, 120) }
```

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

```
.background{ background-color: rgb(60, 131,  
120) }
```

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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