

Converting Colors

XYZ(18.3504, 20.5769, 48.1328)

Have a look what the booklet for
XYZ(18.3504, 20.5769, 48.1328)
contains.

XYZ(18.3436, 20.5055, 48.3386)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.3436, 20.5055,
48.3386)**

Conversions

Conversions Part 1

Format	Color
Hex	3783B8
RGB	55, 131, 184
RGB Percent	22%, 51%, 72%
CMY	0.7843, 0.4863, 0.2784
CMYK	0.70, 0.29, 0.00, 0.28
HSL	205°, 54%, 47%
HSV	205°, 70%, 72%
XYZ	18.3436, 20.5055, 48.3386
YIQ	114.3180, -62.3090, 0.3710

Conversions

Conversions Part 2

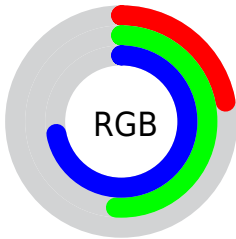
Format	Color
R_{YB}	55, 103, 184
Decimal	3638200
CIE _{Lab}	52.40, -5.90, -34.63
CIE _{LCh}	52, 35.133, 260.336
Yxy	20.5055, 0.2104, 0.2352
Android (android.graphics.Color)	4281828280 (0xFF3783B8)
YUV	114.3180, 34.3532, -52.0219
Hunter-Lab	45.2830, -6.9370, -31.5927

Details

The XYZ color **18.3436, 20.5055, 48.3386** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **25.8206, 21.1932, 6.3453**, and the grayscale version is **16.0041, 16.8375, 18.3361**.

A 20% lighter version of the original color is **40.2048, 44.3542, 88.8803**, and **7.1140, 7.6733, 22.5789** is the 20% darker color. If you saturate the color by 10%, you get **16.5386, 18.1225, 47.9742**, and if you desaturate by 10%, it is **20.5998, 23.2317, 48.7463**.

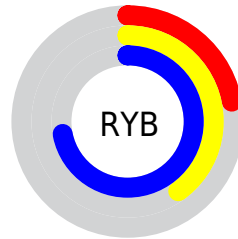
Distribution



Red (22%)

Green (51%)

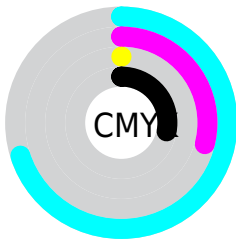
Blue (72%)



Red (22%)

Yellow (40%)

Blue (72%)

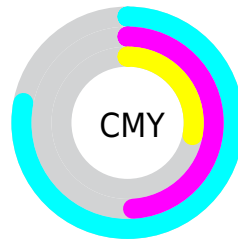


Cyan (70%)

Magenta (29%)

Yellow (0%)

Black (28%)



Cyan (78%)

Magenta (49%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3436, 20.5055, 48.3386 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 18.3436, 20.5055, 48.3386 by changing the saturation by 10% instead.

■ 18.3436, 20.5055,
48.3386

■ 18.3436, 20.5055,
48.3386

235.8090,
254.6387, 396.6800

■ 11.2981, 12.7630,
33.7332

■ 40.1475, 44.2631,
89.0791

■ 6.3365, 7.2656,
22.4130

■ 55.6366, 61.0470,
116.0513

■ 3.0934, 3.6287,
13.9595

■ 74.6709, 81.6135,
147.9829

■ 1.2033, 1.4681,
7.9541

■ 97.6159, 106.3470,
185.2924

■ 0.1090, 0.2661,
3.9782

■ 124.8368,
135.6318, 228.3983

■ 0.0000, 0.0000,
1.6134

156.6991,

■ 0.0000, 0.0000,

169.8525, 277.7192

0.3004

193.5680,
209.3933, 333.6736

■ 0.0000, 0.0000,
0.0000

■ 18.3436, 20.5055,
48.3386

■ 18.3436, 20.5055,
48.3386

■ 16.5386, 18.1225,
47.9742

■ 20.5998, 23.2317,
48.7463

■ 15.1369, 16.0548,
47.6490

■ 23.3440, 26.3215,
49.1981

■ 14.0567, 14.2704,
47.3615

■ 26.6114, 29.7954,
49.6964

■ 30.4330, 33.6717,
50.2432

■ 34.8372, 37.9669,
50.8401

■ 39.8505, 42.6969,
51.4888

■ 45.4976, 47.8762,
52.1909

■ 51.8018, 53.5188,
52.9478

■ 58.7850, 59.6380,
53.7608

Harmonies

Analogous

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



15.3726, 20.5055, 41.4785



18.3436, 20.5055, 48.3386



22.0128, 20.5055, 46.7488

Triad

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



18.3436, 20.5055, 48.3386



26.7797, 20.5055, 16.0858



14.6035, 20.5055, 11.8595

Complementary

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



18.3436, 20.5055, 48.3386



25.8206, 21.1932, 6.3453

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.



17.1675, 20.5055, 8.3571



18.3436, 20.5055, 48.3386



24.2835, 20.5055, 10.2201

Square

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



18.3436, 20.5055, 48.3386



27.1964, 20.5055, 25.8466



20.6829, 20.5055, 7.8680



13.3969, 20.5055, 19.1423

Rectangle

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



18.3436, 20.5055, 48.3386



24.3562, 20.5055, 41.2513



20.6829, 20.5055, 7.8680



15.3192, 20.5055, 10.3099

Sweetspot

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



18.3443, 20.5062, 48.3391



62.0963, 67.8111, 92.0206



21.3498, 36.1471, 19.6532



12.9007, 14.1486, 19.7726



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



18.3443, 20.5062, 48.3391



28.5482, 30.7966, 86.6443



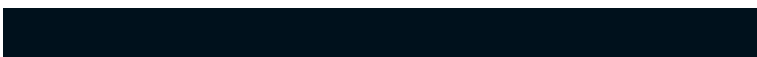
12.2894, 8.3963, 46.3208



8.9489, 9.5751, 11.4559



9.7586, 9.9769, 32.6645



0.4034, 0.4704, 1.1713

Inverse Universe

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



25.2308, 14.5624, 22.9543



42.6212, 22.3150, 33.9464



35.0393, 39.6306, 9.4182



9.2206, 9.0986, 10.5089



15.5394, 7.7895, 10.7271



0.5778, 0.2866, 0.5359

Previews

White Background



This preview shows how the XYZ color 18.3436, 20.5055, 48.3386 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 18.3436, 20.5055, 48.3386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

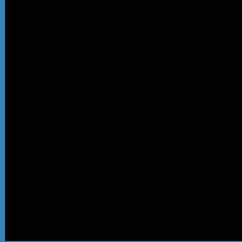
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.3436, 20.5055, 48.3386

Background



This preview shows how black text looks on a background with the XYZ color 18.3436, 20.5055, 48.3386.

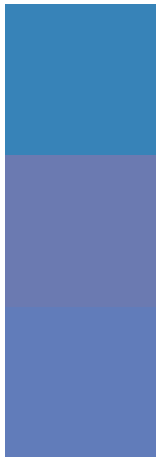


This preview shows how white text looks on a background with the XYZ color 18.3436, 20.5055,

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

18.3436, 20.5055, 48.3386

Protanopia

20.9588, 20.2192, 44.3930

Deuteranopia

21.0003, 20.5019, 49.3048



Tritanopia

14.9922, 20.5938, 31.6186

Trichromacy



Original Color

18.3436, 20.5055, 48.3386

Protanomaly

19.5963, 20.0372, 46.0147

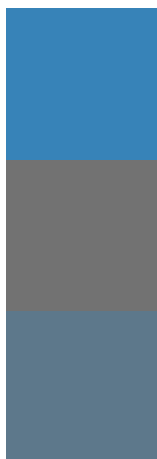
Deuteranomaly

19.8260, 20.4754, 48.8061

Tritanomaly

15.9849, 20.3486, 37.2676

Monochromacy



Original Color

18.3436, 20.5055, 48.3386

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.8909, 17.6242, 26.9904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3436, 20.5055, 48.3386 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(55, 131, 184)` looks like.

```
.text, #text, p{  
    color:rgb(55, 131, 184)  
}
```

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(55, 131, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 131, 184) }
```

Border

The CSS property to change the border of an element to XYZ 18.3436, 20.5055, 48.3386 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(55, 131, 184) }
```


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

```
.border{ border-color:rgb(55, 131, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 131, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 131, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 131, 184);  
box-shadow:4px 4px 4px 4px rgb(55, 131,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3436, 20.5055, 48.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 131, 184) }
```

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

```
.background{ background-color: rgb(55, 131,  
184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor