

Converting Colors

XYZ(18.2710, 24.2294, 34.7973)

Have a look what the booklet for
XYZ(18.2710, 24.2294, 34.7973)
contains.

XYZ(18.2746, 24.2261, 34.7233)	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(18.2746, 24.2261,
34.7233)**

Conversions

Conversions Part 1

Format	Color
Hex	3D939B
RGB	61, 147, 155
RGB Percent	24%, 58%, 61%
CMY	0.7608, 0.4235, 0.3922
CMYK	0.61, 0.05, 0.00, 0.39
HSL	185°, 44%, 42%
HSV	185°, 61%, 61%
XYZ	18.2746, 24.2261, 34.7233
YIQ	122.1980, -53.8240, -15.7440

Conversions

Conversions Part 2

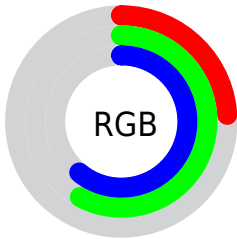
Format	Color
R_{YB}	61, 106, 155
Decimal	4035483
CIE _{Lab}	56.31, -23.11, -11.96
CIE _{LCh}	56, 26.024, 207.368
Yxy	24.2261, 0.2366, 0.3137
Android (android.graphics.Color)	4282225563 (0xFF3D939B)
YUV	122.1980, 16.1714, -53.6706
Hunter-Lab	49.2200, -19.8609, -7.3734

Details

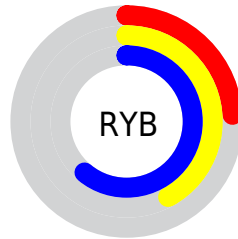
The XYZ color **18.2746, 24.2261, 34.7233** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.4886, 11.5624, 5.7783**, and the grayscale version is **18.5255, 19.4903, 21.2249**.

A 20% lighter version of the original color is **39.8665, 50.2283, 67.9154**, and **6.6816, 9.3652, 14.5522** is the 20% darker color. If you saturate the color by 10%, you get **17.2512, 23.3963, 34.6175**, and if you desaturate by 10%, it is **19.5777, 25.2046, 34.8439**.

Distribution



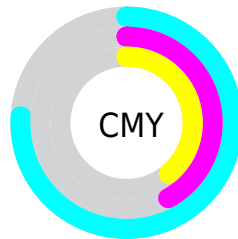
- Red (24%)
- Green (58%)
- Blue (61%)



- Red (24%)
- Yellow (42%)
- Blue (61%)



- Cyan (61%)
- Magenta (5%)
- Yellow (0%)
- Black (39%)



- Cyan (76%)
- Magenta (42%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2746, 24.2261, 34.7233 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 18.2746, 24.2261, 34.7233 by changing the saturation by 10% instead.

■ 18.2746, 24.2261,
34.7233

■ 18.2746, 24.2261,
34.7233

235.4301,
273.9616, 338.2124

■ 11.2482, 15.5014,
23.1680

■ 40.0311, 50.3989,
68.2036

■ 6.3026, 9.1721,
14.5111

■ 55.4919, 68.6158,
90.9656

■ 3.0723, 4.8536,
8.3342

■ 74.4949, 90.7656,
118.3003

■ 1.1921, 2.1616,
4.2187

■ 97.4055, 117.2327,
150.6262

■ 0.1001, 0.6989,
1.7461

■ 124.5889,
148.4014, 188.3618

■ 0.0000, 0.0000,
0.3920

156.4106,

■ 0.0000, 0.0000,

184.6562, 231.9257

0.0000

193.2358,
226.3815, 281.7363

■ 18.2746, 24.2261,
34.7233

■ 18.2746, 24.2261,
34.7233

■ 17.2512, 23.3963,
34.6175

■ 19.5777, 25.2046,
34.8439

■ 16.4806, 22.6997,
34.5237

■ 21.1797, 26.3403,
34.9787

■ 15.9348, 22.1226,
34.4410

■ 23.1009, 27.6439,
35.1291

■ 15.5614, 21.6564,
34.3707

■ 25.3591, 29.1249,
35.2959

■ 27.9708, 30.7916,
35.4800

■ 30.9514, 32.6520,
35.6820

■ 34.3154, 34.7137,
35.9026

■ 38.0765, 36.9836,
36.1425

■ 42.2477, 39.4685,
36.4023

Harmonies

Analogous

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



17.7319, 24.2261, 25.6269



18.2746, 24.2261, 34.7233



20.0540, 24.2261, 42.8770

Triad

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



18.2746, 24.2261, 34.7233



28.2328, 24.2261, 36.3253



23.2920, 24.2261, 13.0791

Complementary

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



18.2746, 24.2261, 34.7233



16.4886, 11.5624, 5.7783

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.



26.2784, 24.2261, 14.7696



18.2746, 24.2261, 34.7233



29.2815, 24.2261, 27.1439

Square

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



18.2746, 24.2261, 34.7233



25.7806, 24.2261, 43.9342



28.5373, 24.2261, 19.4901



20.4753, 24.2261, 14.2603

Rectangle

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



18.2746, 24.2261, 34.7233



21.7878, 24.2261, 46.0018



28.5373, 24.2261, 19.4901



24.3106, 24.2261, 13.3202

Sweetspot

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



18.2753, 24.2270, 34.7239



46.4295, 52.8128, 63.2831



14.7155, 24.8630, 9.6274



10.2354, 11.7774, 14.3042



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.2753, 24.2270, 34.7239



30.3219, 41.4010, 61.9294



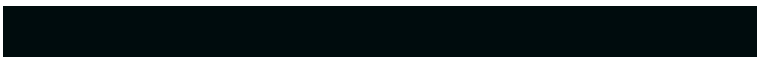
12.4148, 12.5059, 32.7704



6.3396, 6.9366, 7.9337



12.5124, 17.4215, 27.6109



0.1985, 0.2833, 0.4166

Inverse Universe

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



20.4534, 12.4134, 28.9227



34.7244, 18.8262, 49.9113



20.5867, 19.7587, 7.1444



6.4385, 6.3146, 7.6895



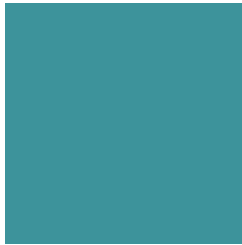
14.7745, 7.1640, 21.1351



0.2266, 0.1094, 0.3464

Previews

White Background



This preview shows how the XYZ color 18.2746, 24.2261, 34.7233 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 18.2746, 24.2261, 34.7233 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 18.2746, 24.2261, 34.7233

Background



This preview shows how black text looks on a background with the XYZ color 18.2746, 24.2261, 34.7233.

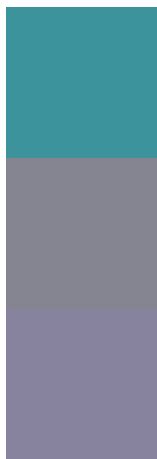


This preview shows how white text looks on a background with the XYZ color 18.2746, 24.2261,

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

18.2746, 24.2261, 34.7233

Protanopia

23.2487, 23.8369, 30.5698

Deuteranopia

24.2795, 23.8521, 35.6720



Tritanopia

18.4370, 24.0505, 36.0182

Trichromacy



Original Color

18.2746, 24.2261, 34.7233

Protanomaly

20.5767, 23.4727, 31.8799

Deuteranomaly

21.2158, 23.5138, 35.3187

Tritanomaly

18.3513, 24.0162, 35.5667

Monochromacy



Original Color

18.2746, 24.2261, 34.7233

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.6749, 20.6632, 25.6111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2746, 24.2261, 34.7233 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(61, 147, 155)` looks like.

```
.text, #text, p{  
    color:rgb(61, 147, 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(61, 147, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 147, 155) }
```

Border

The CSS property to change the border of an element to XYZ 18.2746, 24.2261, 34.7233 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(61, 147, 155) }
```


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

```
.border{ border-color:rgb(61, 147, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 147, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 147, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 147, 155);  
box-shadow:4px 4px 4px 4px rgb(61, 147,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2746, 24.2261, 34.7233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 147, 155) }
```

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

```
.background{ background-color: rgb(61, 147,  
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](#).

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