

Converting Colors

XYZ(18.1044, 23.6446, 41.5221)

Have a look what the booklet for
XYZ(18.1044, 23.6446, 41.5221)
contains.

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Color

**XYZ(18.1943, 23.8001,
41.6652)**

Conversions

Conversions Part 1

Format	Color
Hex	2292AA
RGB	34, 146, 170
RGB Percent	13%, 57%, 67%
CMY	0.8666, 0.4274, 0.3333
CMYK	0.80, 0.14, 0.00, 0.33
HSL	191°, 67%, 40%
HSV	191°, 80%, 67%
XYZ	18.1943, 23.8001, 41.6652
YIQ	115.2480, -74.4560, -16.2800

Conversions

Conversions Part 2

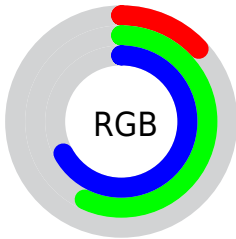
Format	Color
R_{YB}	34, 95, 170
Decimal	2265770
CIE _{Lab}	55.89, -21.70, -21.26
CIE _{LCh}	56, 30.375, 224.413
Yxy	23.8001, 0.2175, 0.2845
Android (android.graphics.Color)	4280455850 (0xFF2292AA)
YUV	115.2480, 26.9927, -71.2545
Hunter-Lab	48.7853, -18.8035, -16.4870

Details

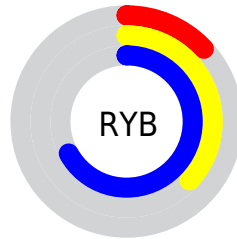
The XYZ color **18.1943, 23.8001, 41.6652** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.3804, 11.6891, 2.8018**, and the grayscale version is **16.3091, 17.1585, 18.6856**.

A 20% lighter version of the original color is **39.8384, 49.6284, 78.7137**, and **7.3622, 9.4924, 18.5837** is the 20% darker color. If you saturate the color by 10%, you get **17.3099, 22.6670, 41.4936**, and if you desaturate by 10%, it is **19.3695, 25.1020, 41.8550**.

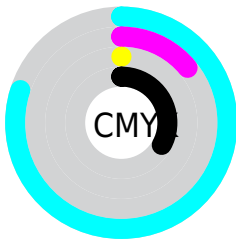
Distribution



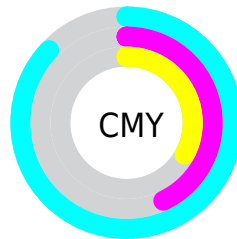
- Red (13%)
- Green (57%)
- Blue (67%)



- Red (13%)
- Yellow (37%)
- Blue (67%)



- Cyan (80%)
- Magenta (14%)
- Yellow (0%)
- Black (33%)



- Cyan (87%)
- Magenta (43%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1943, 23.8001, 41.6652 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 18.1943, 23.8001, 41.6652 by changing the saturation by 10% instead.

18.1943, 23.8001,
41.6652

18.1943, 23.8001,
41.6652

234.9884,
271.8083, 368.8518

11.1901, 15.1854,
28.5156

39.8956, 49.7038,
78.9573

6.2631, 8.9496,
18.4723

55.3235, 67.7616,
103.9369

3.0479, 4.7083,
11.1167

74.2899, 89.7359,
133.6968

1.1791, 2.0772,
6.0302

97.1603, 116.0110,
168.6558

0.0898, 0.6517,
2.7944

124.3000,
146.9714, 209.2322

0.0000, 0.0000,
0.9906

156.0743,

0.0000, 0.0000,

183.0015, 255.8447

0.0000

192.8487,
224.4857, 308.9117

■ 18.1943, 23.8001,
41.6652

■ 18.1943, 23.8001,
41.6652

■ 17.3099, 22.6670,
41.4936

■ 19.3695, 25.1020,
41.8550

■ 16.6343, 21.6590,
41.3346

■ 20.8692, 26.5889,
42.0630

■ 16.6338, 21.6583,
41.3345

■ 22.7251, 28.2777,
42.2911

■ 24.9641, 30.1825,
42.5408

■ 27.6107, 32.3159,
42.8131

■ 30.6873, 34.6897,
43.1091

■ 34.2145, 37.3145,
43.4298

■ 38.2117, 40.2006,
43.7762

■ 42.6969, 43.3573,
44.1492

Harmonies

Analogous

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



16.7705, 23.8001, 30.9519



18.1943, 23.8001, 41.6652



20.8805, 23.8001, 48.9389

Triad

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



18.1943, 23.8001, 41.6652



29.6533, 23.8001, 31.3780



21.0054, 23.8001, 11.4949

Complementary

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



18.1943, 23.8001, 41.6652



18.3804, 11.6891, 2.8018

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.



24.4563, 23.8001, 11.5537



18.1943, 23.8001, 41.6652



29.6955, 23.8001, 21.4552

Square

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



18.1943, 23.8001, 41.6652



27.6036, 23.8001, 42.0449



27.7137, 23.8001, 14.7369



18.2777, 23.8001, 14.5484

Rectangle

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



18.1943, 23.8001, 41.6652



23.1371, 23.8001, 49.9296



27.7137, 23.8001, 14.7369



22.1132, 23.8001, 11.1819

Sweetspot

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



18.1951, 23.8010, 41.6658



53.0995, 60.9714, 77.9719



15.7655, 29.3823, 8.6693



11.4169, 13.2678, 17.3469



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.1951, 23.8010, 41.6658



30.4712, 39.7139, 75.0614



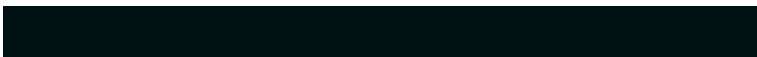
10.7367, 8.8841, 39.1796



7.6333, 8.3035, 9.6188



12.2722, 16.0046, 30.4179



0.3272, 0.4467, 0.7496

Inverse Universe

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



22.3386, 11.7663, 28.2886



38.8540, 19.1703, 47.1450



24.1588, 23.2460, 4.7280



7.7842, 7.6436, 9.1810



15.6950, 7.6867, 19.0035



0.3963, 0.1928, 0.5385

Previews

White Background



This preview shows how the XYZ color 18.1943, 23.8001, 41.6652 looks on a white background.

Color Contrast Check

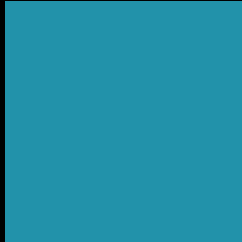
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1943, 23.8001, 41.6652 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

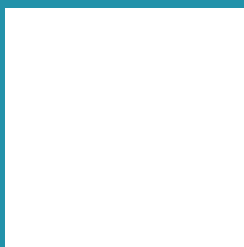
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.1943, 23.8001, 41.6652

Background



This preview shows how black text looks on a background with the XYZ color 18.1943, 23.8001, 41.6652.



This preview shows how white text looks on a background with the XYZ color 18.1943, 23.8001,

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

18.1943, 23.8001, 41.6652

Protanopia

23.3488, 23.5526, 36.5732

Deuteranopia

23.9713, 23.5348, 42.8144



Tritanopia

17.2443, 23.8773, 36.9576

Trichromacy



Original Color

18.1943, 23.8001, 41.6652

Protanomaly

20.1607, 22.8988, 38.4793

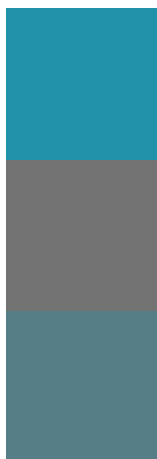
Deuteranomaly

20.5649, 22.8110, 42.3488

Tritanomaly

17.5606, 23.7674, 38.7840

Monochromacy



Original Color

18.1943, 23.8001, 41.6652

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.6718, 18.6494, 25.6954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1943, 23.8001, 41.6652 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(34, 146, 170)` looks like.

```
.text, #text, p{  
    color:rgb(34, 146, 170)  
}
```

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(34, 146, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 146, 170) }
```

Border

The CSS property to change the border of an element to XYZ 18.1943, 23.8001, 41.6652 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(34, 146, 170) }
```


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

```
.border{ border-color:rgb(34, 146, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 146, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 146, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 146, 170);  
box-shadow:4px 4px 4px 4px rgb(34, 146,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1943, 23.8001, 41.6652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 146, 170) }
```

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

```
.background{ background-color: rgb(34, 146,  
170) }
```

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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