

Converting Colors

XYZ(17.9540, 21.2722, 41.5945)

Have a look what the booklet for
XYZ(17.9540, 21.2722, 41.5945)
contains.

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Color

**XYZ(18.0013, 21.2924,
41.6891)**

Conversions

Conversions Part 1

Format	Color
Hex	3E87AB
RGB	62, 135, 171
RGB Percent	24%, 53%, 67%
CMY	0.7568, 0.4706, 0.3294
CMYK	0.64, 0.21, 0.00, 0.33
HSL	200°, 47%, 46%
HSV	200°, 64%, 67%
XYZ	18.0013, 21.2924, 41.6891
YIQ	117.2770, -55.0640, -4.2800

Conversions

Conversions Part 2

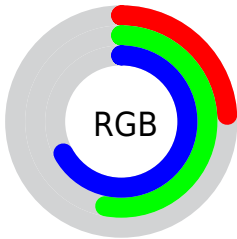
Format	Color
RYB	62, 106, 171
Decimal	4097963
CIELab	53.27, -11.43, -25.80
CIELCh	53, 28.219, 246.105
Yxy	21.2924, 0.2223, 0.2629
Android (android.graphics.Color)	4282288043 (0xFF3E87AB)
YUV	117.2770, 26.4854, -48.4779
Hunter-Lab	46.1437, -11.1161, -21.2657

Details

The XYZ color **18.0013, 21.2924, 41.6891** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.0326, 17.7422, 6.8217**, and the grayscale version is **16.9279, 17.8094, 19.3945**.

A 20% lighter version of the original color is **39.4564, 45.4505, 78.6448**, and **6.5783, 7.8289, 18.6172** is the 20% darker color. If you saturate the color by 10%, you get **16.3258, 19.2901, 41.3913**, and if you desaturate by 10%, it is **20.0574, 23.5538, 42.0176**.

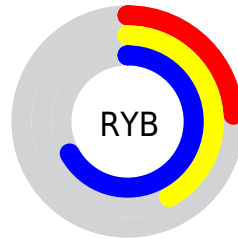
Distribution



Red (24%)

Green (53%)

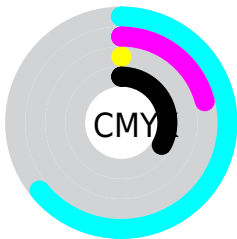
Blue (67%)



Red (24%)

Yellow (42%)

Blue (67%)

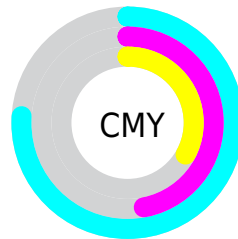


Cyan (64%)

Magenta (21%)

Yellow (0%)

Black (33%)



Cyan (76%)

Magenta (47%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0013, 21.2924, 41.6891 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 18.0013, 21.2924, 41.6891 by changing the saturation by 10% instead.

■ 18.0013, 21.2924,
41.6891

■ 18.0013, 21.2924,
41.6891

233.9238,
258.8284, 368.9541

■ 11.0506, 13.3379,
28.5342

■ 39.5696, 45.5737,
78.9939

■ 6.1684, 7.6616,
18.4862

■ 54.9179, 62.6692,
103.9808

■ 2.9894, 3.8792,
11.1266

■ 73.7962, 83.5806,
133.7488

■ 1.1482, 1.6062,
6.0368

■ 96.5697, 108.6922,
168.7165

■ 0.0648, 0.3618,
2.7983

■ 123.6039,
138.3883, 209.3023

■ 0.0000, 0.0000,
0.9926

155.2641,

■ 0.0000, 0.0000,

173.0535, 255.9248

0.0000

191.9156,
213.0720, 309.0025

■ 18.0013, 21.2924,
41.6891

■ 18.0013, 21.2924,
41.6891

■ 16.3258, 19.2901,
41.3913

■ 20.0574, 23.5538,
42.0176

■ 14.9953, 17.5263,
41.1210

■ 22.5212, 26.0880,
42.3769

■ 13.9703, 15.9801,
40.8766

■ 25.4197, 28.9102,
42.7689

■ 13.4272, 15.0932,
40.7340

■ 28.7768, 32.0336,
43.1948

■ 32.6145, 35.4704,
43.6559

■ 36.9534, 39.2322,
44.1533

■ 41.8130, 43.3296,
44.6881

■ 47.2113, 47.7731,
45.2613

■ 53.1658, 52.5723,
45.8738

Harmonies

Analogous

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



15.9466, 21.2924, 34.2789



18.0013, 21.2924, 41.6891



20.8542, 21.2924, 43.6645

Triad

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



18.0013, 21.2924, 41.6891



26.4966, 21.2924, 21.4795



17.0412, 21.2924, 12.2796

Complementary

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



18.0013, 21.2924, 41.6891



22.0326, 17.7422, 6.8217

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.



19.6336, 21.2924, 10.3815



18.0013, 21.2924, 41.6891



25.2370, 21.2924, 14.7855

Square

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



18.0013, 21.2924, 41.6891



25.9507, 21.2924, 30.4980



22.6522, 21.2924, 11.1706



15.4316, 21.2924, 17.1439

Rectangle

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



18.0013, 21.2924, 41.6891



22.8692, 21.2924, 41.2941



22.6522, 21.2924, 11.1706



17.8164, 21.2924, 11.3361

Sweetspot

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



18.0020, 21.2932, 41.6896



54.4554, 60.0098, 77.7148



18.6855, 31.0046, 16.1922



11.7278, 13.0072, 17.2802



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.



18.0020, 21.2932, 41.6896



28.3116, 33.3611, 73.9490



12.3542, 9.9975, 39.8070



8.0101, 8.6195, 10.1942



10.1717, 11.4772, 30.7237



0.3303, 0.4139, 0.8705

Inverse Universe

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



22.8910, 13.8533, 24.3899



38.2604, 20.8336, 38.1595



28.7340, 31.1450, 9.0555



8.2229, 8.1024, 9.4845



14.9978, 7.4617, 12.9000



0.4411, 0.2171, 0.4846

Previews

White Background



This preview shows how the XYZ color 18.0013, 21.2924, 41.6891 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 18.0013, 21.2924, 41.6891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

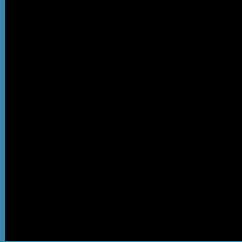
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.0013, 21.2924, 41.6891

Background



This preview shows how black text looks on a background with the XYZ color 18.0013, 21.2924, 41.6891.

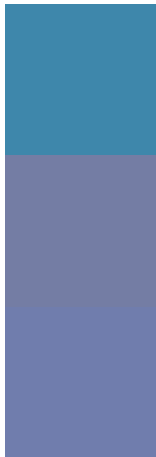


This preview shows how white text looks on a background with the XYZ color 18.0013, 21.2924,

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

18.0013, 21.2924, 41.6891

Protanopia

21.2369, 21.0606, 38.0677

Deuteranopia

21.5585, 21.1291, 42.4772



Tritanopia

16.1029, 21.3711, 32.1305

Trichromacy



Original Color

18.0013, 21.2924, 41.6891

Protanomaly

19.6492, 20.9773, 39.5726

Deuteranomaly

19.9127, 21.0588, 42.0450

Tritanomaly

16.8356, 21.4578, 35.6022

Monochromacy



Original Color

18.0013, 21.2924, 41.6891

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.6528, 18.7628, 26.4108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0013, 21.2924, 41.6891 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(62, 135, 171)` looks like.

```
.text, #text, p{  
    color:rgb(62, 135, 171)  
}
```

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(62, 135, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 135, 171) }
```

Border

The CSS property to change the border of an element to XYZ 18.0013, 21.2924, 41.6891 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(62, 135, 171) }
```


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

```
.border{ border-color:rgb(62, 135, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 135, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 135, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 135, 171);  
box-shadow:4px 4px 4px 4px rgb(62, 135,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0013, 21.2924, 41.6891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 135, 171) }
```

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

```
.background{ background-color: rgb(62, 135,  
171) }
```

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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