

Converting Colors

XYZ(17.5267, 21.0462, 43.2704)

Have a look what the booklet for
XYZ(17.5267, 21.0462, 43.2704)
contains.

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Color

**XYZ(17.4762, 20.9883,
43.1744)**

Conversions

Conversions Part 1

Format	Color
Hex	2F87AE
RGB	47, 135, 174
RGB Percent	18%, 53%, 68%
CMY	0.8157, 0.4706, 0.3176
CMYK	0.73, 0.22, 0.00, 0.32
HSL	198°, 57%, 43%
HSV	198°, 73%, 68%
XYZ	17.4762, 20.9883, 43.1744
YIQ	113.1340, -64.9670, -6.5270

Conversions

Conversions Part 2

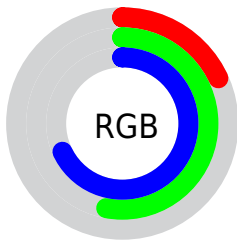
Format	Color
RYB	47, 99, 174
Decimal	3114926
CIELab	52.94, -12.82, -28.08
CIElCh	53, 30.866, 245.455
Yxy	20.9883, 0.2141, 0.2571
Android (android.graphics.Color)	4281305006 (0xFF2F87AE)
YUV	113.1340, 30.0069, -57.9995
Hunter-Lab	45.8130, -12.0807, -23.8061

Details

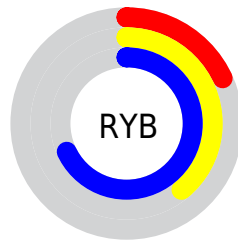
The XYZ color **17.4762, 20.9883, 43.1744** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.2972, 15.8606, 4.6290**, and the grayscale version is **15.6642, 16.4800, 17.9467**.

A 20% lighter version of the original color is **38.6966, 44.9946, 81.5082**, and **6.6997, 7.8775, 19.2566** is the 20% darker color. If you saturate the color by 10%, you get **16.1014, 19.2008, 42.9022**, and if you desaturate by 10%, it is **19.2096, 23.0170, 43.4750**.

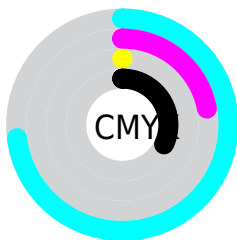
Distribution



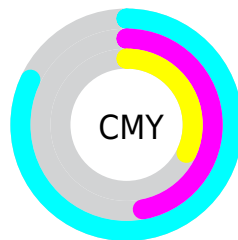
- Red (18%)
- Green (53%)
- Blue (68%)



- Red (18%)
- Yellow (39%)
- Blue (68%)



- Cyan (73%)
- Magenta (22%)
- Yellow (0%)
- Black (32%)



- Cyan (82%)
- Magenta (47%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4762, 20.9883, 43.1744 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 17.4762, 20.9883, 43.1744 by changing the saturation by 10% instead.

■ 17.4762, 20.9883,
43.1744

■ 17.4762, 20.9883,
43.1744

231.0050,
257.2163, 375.2708

■ 10.6720, 13.1155,
29.6896

■ 38.6799, 45.0681,
81.2631

■ 5.9124, 7.5081,
19.3530

■ 53.8100, 62.0438,
106.7041

■ 2.8320, 3.7818,
11.7463

■ 72.4462, 82.8225,
136.9676

■ 1.0656, 1.5523,
6.4507

■ 94.9538, 107.7888,
172.4721

■ 0.0000, 0.3251,
3.0478

■ 121.6981,
137.3269, 213.6361

■ 0.0000, 0.0000,
1.1191

153.0445,

■ 0.0000, 0.0000,

171.8212, 260.8782

0.0000

189.3583,
211.6563, 314.6169

■ 17.4762, 20.9883,
43.1744

■ 17.4762, 20.9883,
43.1744

■ 16.1014, 19.2008,
42.9022

■ 19.2096, 23.0170,
43.4750

■ 15.0418, 17.6301,
42.6549

■ 21.3340, 25.3032,
43.8043

■ 14.4249, 16.6256,
42.4936

■ 23.8801, 27.8640,
44.1644

■ 26.8751, 30.7140,
44.5567

■ 30.3437, 33.8668,
44.9824

■ 34.3085, 37.3348,
45.4428

■ 38.7909, 41.1296,
45.9391

■ 43.8108, 45.2623,
46.4722

■ 49.3871, 49.7433,
47.0432

Harmonies

Analogous

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



15.3013, 20.9883, 34.8138



17.4762, 20.9883, 43.1744



20.5456, 20.9883, 45.5522

Triad

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



17.4762, 20.9883, 43.1744



26.7991, 20.9883, 21.2016



16.5557, 20.9883, 11.2018

Complementary

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



17.4762, 20.9883, 43.1744



21.2972, 15.8606, 4.6290

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.



19.3636, 20.9883, 9.3164



17.4762, 20.9883, 43.1744



25.4531, 20.9883, 14.0029

Square

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



17.4762, 20.9883, 43.1744



26.1547, 20.9883, 31.0749



22.6442, 20.9883, 10.1821



14.8114, 20.9883, 16.2261

Rectangle

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



17.4762, 20.9883, 43.1744



22.7417, 20.9883, 42.9919



22.6442, 20.9883, 10.1821



17.3944, 20.9883, 10.2521

Sweetspot

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



17.4769, 20.9890, 43.1749



55.4424, 61.7887, 81.6412



17.9527, 31.5344, 13.7568



11.9304, 13.3827, 18.0987



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



17.4769, 20.9890, 43.1749



27.8835, 32.9136, 77.5202



11.1564, 8.3479, 41.0681



8.0256, 8.6507, 10.1994



10.5167, 12.1672, 30.8387



0.3380, 0.4294, 0.8730

Inverse Universe

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



22.8458, 12.7817, 24.1854



38.9081, 19.8566, 37.6754



28.6535, 30.5732, 7.0811



8.2308, 8.1055, 9.5259



15.1720, 7.5313, 13.8169



0.4450, 0.2187, 0.5051

Previews

White Background



This preview shows how the XYZ color 17.4762, 20.9883, 43.1744 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 17.4762, 20.9883, 43.1744 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 17.4762, 20.9883, 43.1744

Background



This preview shows how black text looks on a background with the XYZ color 17.4762, 20.9883, 43.1744.

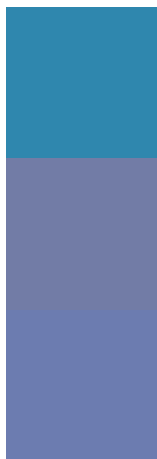


This preview shows how white text looks on a background with the XYZ color 17.4762, 20.9883,

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

17.4762, 20.9883, 43.1744

Protanopia

21.0300, 20.7459, 38.9723

Deuteranopia

21.2285, 20.7380, 43.9583



Tritanopia

15.2705, 20.9326, 32.5137

Trichromacy



Original Color

17.4762, 20.9883, 43.1744

Protanomaly

19.0971, 20.4766, 40.4820

Deuteranomaly

19.2948, 20.5119, 43.4997

Tritanomaly

16.0062, 21.0202, 36.0146

Monochromacy



Original Color

17.4762, 20.9883, 43.1744

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.3304, 17.5479, 25.5007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4762, 20.9883, 43.1744 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(47, 135, 174)` looks like.

```
.text, #text, p{  
    color:rgb(47, 135, 174)  
}
```

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(47, 135, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 135, 174) }
```

Border

The CSS property to change the border of an element to XYZ 17.4762, 20.9883, 43.1744 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(47, 135, 174) }
```


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

```
.border{ border-color:rgb(47, 135, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 135, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 135, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 135, 174);  
box-shadow:4px 4px 4px 4px rgb(47, 135,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4762, 20.9883, 43.1744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 135, 174) }
```

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

```
.background{ background-color: rgb(47, 135,  
174) }
```

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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