

Converting Colors

XYZ(17.2753, 20.3747, 47.9882)

Have a look what the booklet for
XYZ(17.2753, 20.3747, 47.9882)
contains.

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Color

**XYZ(17.2440, 20.3534,
47.8195)**

Conversions

Conversions Part 1

Format	Color
Hex	1585B7
RGB	21, 133, 183
RGB Percent	8%, 52%, 72%
CMY	0.9176, 0.4784, 0.2823
CMYK	0.89, 0.27, 0.00, 0.28
HSL	199°, 79%, 40%
HSV	199°, 89%, 72%
XYZ	17.2440, 20.3534, 47.8195
YIQ	105.2120, -82.8020, -8.1940

Conversions

Conversions Part 2

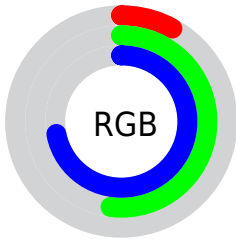
Format	Color
R_{YB}	21, 87, 183
Decimal	1410487
CIE Lab	52.23, -11.06, -34.38
CIE LCh	52, 36.113, 252.167
Yxy	20.3534, 0.2019, 0.2383
Android (android.graphics.Color)	4279600567 (0xFF1585B7)
YUV	105.2120, 38.3495, -73.8539
Hunter-Lab	45.1147, -10.7236, -31.2643

Details

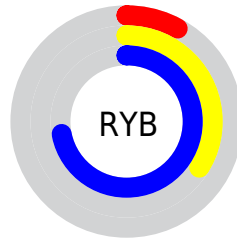
The XYZ color **17.2440, 20.3534, 47.8195** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.9185, 14.6303, 2.3791**, and the grayscale version is **13.4018, 14.0998, 15.3546**.

A 20% lighter version of the original color is **38.2845, 44.0025, 88.1369**, and **7.1996, 7.9524, 22.2746** is the 20% darker color. If you saturate the color by 10%, you get **16.2164, 18.7066, 47.5562**, and if you desaturate by 10%, it is **18.5782, 22.2207, 48.1100**.

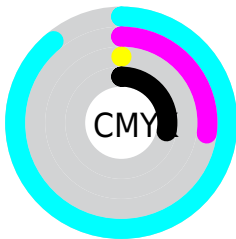
Distribution



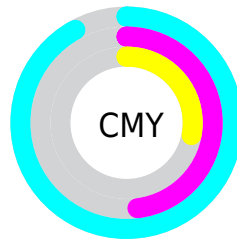
- Red (8%)
- Green (52%)
- Blue (72%)



- Red (8%)
- Yellow (34%)
- Blue (72%)



- Cyan (89%)
- Magenta (27%)
- Yellow (0%)
- Black (28%)



- Cyan (92%)
- Magenta (48%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2440, 20.3534, 47.8195 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 17.2440, 20.3534, 47.8195 by changing the saturation by 10% instead.

■ 17.2440, 20.3534,
47.8195

■ 17.2440, 20.3534,
47.8195

■ 229.7035,
253.8219, 394.5643

■ 10.5050, 12.6522,
33.3250

■ 38.2851, 44.0089,
88.2983

■ 5.7999, 7.1895,
22.1024

■ 53.3179, 60.7320,
115.1198

■ 2.7633, 3.5809,
13.7331

■ 71.8460, 81.2311,
146.8872

■ 1.0298, 1.4420,
7.7986

■ 94.2347, 105.8908,
184.0193

■ 0.0000, 0.2474,
3.8805

■ 120.8495,
135.0953, 226.9345

■ 0.0000, 0.0000,
1.5600

■ 152.0557,

■ 0.0000, 0.0000,

169.2290, 276.0514

0.2620

188.2185,
208.6764, 331.7884

■ 0.0000, 0.0000,
0.0000

■ 17.2440, 20.3534,
47.8195

■ 17.2440, 20.3534,
47.8195

■ 16.2164, 18.7066,
47.5562

■ 18.5782, 22.2207,
48.1100

■ 16.0741, 18.4724,
47.5185

■ 20.2888, 24.3443,
48.4298

■ 22.4194, 26.7481,
48.7815

■ 25.0068, 29.4519,
49.1670

■ 28.0834, 32.4733,
49.5880

■ 31.6787, 35.8283,
50.0461

■ 35.8195, 39.5317,
50.5427

■ 40.5309, 43.5971,
51.0791

■ 45.8361, 48.0374,
51.6565

Harmonies

Analogous

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



14.5296, 20.3534, 38.8785



17.2440, 20.3534, 47.8195



20.8864, 20.3534, 48.6967

Triad

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



17.2440, 20.3534, 47.8195



27.1809, 20.3534, 18.1324



14.9451, 20.3534, 10.2154

Complementary

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



17.2440, 20.3534, 47.8195



21.9185, 14.6303, 2.3791

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.



17.8819, 20.3534, 7.5990



17.2440, 20.3534, 47.8195



25.1224, 20.3534, 11.0905

Square

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



17.2440, 20.3534, 47.8195



26.9528, 20.3534, 29.0174



21.6107, 20.3534, 7.8577



13.3237, 20.3534, 16.4805

Rectangle

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



17.2440, 20.3534, 47.8195



23.3925, 20.3534, 44.3151



21.6107, 20.3534, 7.8577



15.7941, 20.3534, 8.9858

Sweetspot

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



17.2447, 20.3541, 47.8200



57.4804, 64.8458, 89.7227



18.3366, 34.4643, 11.4164



12.1811, 13.8515, 19.7532



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.



17.2447, 20.3541, 47.8200



28.5743, 32.6558, 85.0329



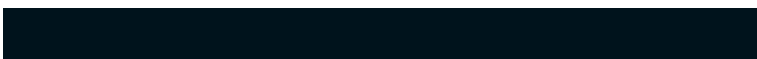
10.1491, 6.1628, 45.4548



9.0265, 9.7301, 11.4818



11.2765, 13.0127, 33.1704



0.4498, 0.5632, 1.1868

Inverse Universe

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



24.0309, 12.2979, 23.2981



41.6714, 20.7088, 36.8986



30.6672, 32.1277, 5.2953



9.2597, 9.1142, 10.7150



16.3055, 8.0960, 14.7616



0.6012, 0.2959, 0.6592

Previews

White Background



This preview shows how the XYZ color 17.2440, 20.3534, 47.8195 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 17.2440, 20.3534, 47.8195 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 17.2440, 20.3534, 47.8195

Background



This preview shows how black text looks on a background with the XYZ color 17.2440, 20.3534, 47.8195.

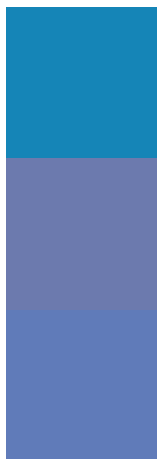


This preview shows how white text looks on a background with the XYZ color 17.2440, 20.3534,

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

17.2440, 20.3534, 47.8195

Protanopia

20.7839, 20.1632, 42.8409

Deuteranopia

20.6638, 20.1555, 48.7002



Tritanopia

14.4338, 20.3151, 31.1774

Trichromacy



Original Color

17.2440, 20.3534, 47.8195

Protanomaly

18.3772, 19.6325, 44.4159

Deuteranomaly

18.6953, 19.9046, 48.2040

Tritanomaly

15.3373, 20.2332, 36.8152

Monochromacy



Original Color

17.2440, 20.3534, 47.8195

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1884, 15.4108, 24.4698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2440, 20.3534, 47.8195 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(21, 133, 183)` looks like.

```
.text, #text, p{  
    color:rgb(21, 133, 183)  
}
```

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(21, 133, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 133, 183) }
```

Border

The CSS property to change the border of an element to XYZ 17.2440, 20.3534, 47.8195 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(21, 133, 183) }
```


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

```
.border{ border-color:rgb(21, 133, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 133, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 133, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 133, 183);  
box-shadow:4px 4px 4px 4px rgb(21, 133,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2440, 20.3534, 47.8195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 133, 183) }
```

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

```
.background{ background-color: rgb(21, 133,  
183) }
```

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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