

Converting Colors

XYZ(13.9956, 17.9490, 20.6196)

Have a look what the booklet for
XYZ(13.9956, 17.9490, 20.6196)
contains.

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Color

**XYZ(13.9116, 17.8556,
20.4825)**

Conversions

Conversions Part 1

Format	Color
Hex	4D7E78
RGB	77, 126, 120
RGB Percent	30%, 49%, 47%
CMY	0.6980, 0.5059, 0.5294
CMYK	0.39, 0.00, 0.05, 0.51
HSL	173°, 24%, 40%
HSV	173°, 39%, 49%
XYZ	13.9116, 17.8556, 20.4825
YIQ	110.6650, -27.2780, -12.2540

Conversions

Conversions Part 2

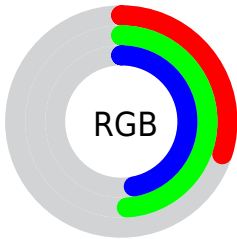
Format	Color
RYB	77, 103, 126
Decimal	5078648
CIELab	49.32, -18.05, -1.97
CIELCh	49, 18.160, 186.243
Yxy	17.8556, 0.2663, 0.3417
Android (android.graphics.Color)	4283268728 (0xFF4D7E78)
YUV	110.6650, 4.6022, -29.5242
Hunter-Lab	42.2559, -15.1815, 0.8398

Details

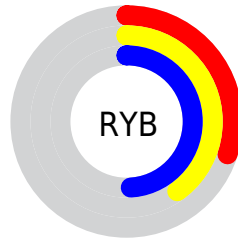
The XYZ color **13.9116, 17.8556, 20.4825** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.8201, 10.3684, 9.5100**, and the grayscale version is **15.0057, 15.7871, 17.1922**.

A 20% lighter version of the original color is **32.4686, 39.8080, 45.0022**, and **4.2756, 6.0086, 7.0653** is the 20% darker color. If you saturate the color by 10%, you get **12.8990, 17.3448, 19.9504**, and if you desaturate by 10%, it is **15.1237, 18.4700, 21.0326**.

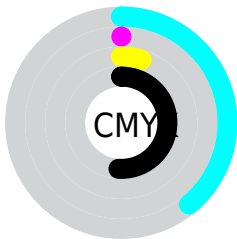
Distribution



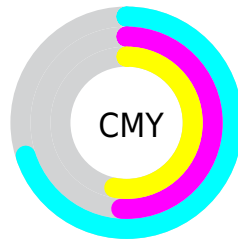
- Red (30%)
- Green (49%)
- Blue (47%)



- Red (30%)
- Yellow (40%)
- Blue (49%)



- Cyan (39%)
- Magenta (0%)
- Yellow (5%)
- Black (51%)



- Cyan (70%)
- Magenta (51%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9116, 17.8556, 20.4825 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 13.9116, 17.8556, 20.4825 by changing the saturation by 10% instead.

■ 13.9116, 17.8556,
20.4825

■ 13.9116, 17.8556,
20.4825

210.2018,
240.0559, 267.2054

■ 8.1405, 10.8464,
12.5587

■ 32.5197, 39.7911,
45.0942

■ 4.2375, 5.9636,
6.9982

■ 46.0873, 55.4862,
62.6192

■ 1.8374, 2.8230,
3.3826

■ 62.9846, 74.8453,
84.1817

■ 0.5400, 1.0400,
1.2931

■ 83.5768, 98.2529,
110.2002

■ 0.0000, 0.0000,
0.0562

■ 108.2292,
126.0934, 141.0933

■ 0.0000, 0.0000,
0.0000

137.3073,

158.7511, 177.2795

171.1764,
196.6105, 219.1774

■ 13.9116, 17.8556,
20.4825

■ 13.9116, 17.8556,
20.4825

■ 12.8990, 17.3448,
19.9504

■ 15.1237, 18.4700,
21.0326

■ 12.0730, 16.9295,
19.4346

■ 16.5443, 19.1912,
21.5999

■ 11.4214, 16.6040,
18.9347

■ 18.1836, 20.0251,
22.1854

■ 10.9301, 16.3610,
18.4500

■ 20.0509, 20.9763,
22.7896

■ 10.5828, 16.1919,
17.9799

■ 22.1546, 22.0492,
23.4129

■ 10.3337, 16.0734,
17.5220

■ 24.5031, 23.2481,
24.0557

■ 10.3068, 16.0606,
17.4717

■ 27.1041, 24.5769,
24.7185

■ 29.9650, 26.0396,
25.4015

■ 33.0930, 27.6398,
26.1052

Harmonies

Analogous

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



14.1395, 17.8556, 15.8937



13.9116, 17.8556, 20.4825



14.4581, 17.8556, 25.5489

Triad

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



13.9116, 17.8556, 20.4825



18.9877, 17.8556, 28.0561



18.3288, 17.8556, 12.0417

Complementary

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



13.9116, 17.8556, 20.4825



12.8201, 10.3684, 9.5100

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.



19.7599, 17.8556, 14.3947



13.9116, 17.8556, 20.4825



20.1578, 17.8556, 23.4820

Square

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



13.9116, 17.8556, 20.4825



17.3308, 17.8556, 30.3695



20.4494, 17.8556, 18.4368



16.6166, 17.8556, 11.5111

Rectangle

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



13.9116, 17.8556, 20.4825



15.2111, 17.8556, 28.3561



20.4494, 17.8556, 18.4368



18.8622, 17.8556, 12.6239

Sweetspot

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



13.9121, 17.8563, 20.4829



30.9829, 34.7264, 38.6963



12.4155, 17.3217, 9.7106



6.9811, 7.8652, 8.7786



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.9121, 17.8563, 20.4829



22.8328, 30.5941, 35.1886



12.1931, 13.8169, 21.7638



4.4245, 4.8781, 5.4065



10.5722, 16.4755, 17.9180



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.8201, 10.3684, 9.5100



20.6191, 15.3852, 12.9229



14.0336, 13.1505, 8.8202



4.3476, 4.3522, 4.6347



8.9177, 4.5868, 0.8906



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.9116, 17.8556, 20.4825 looks on a white 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

Black Background



This preview shows how the XYZ color 13.9116, 17.8556, 20.4825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

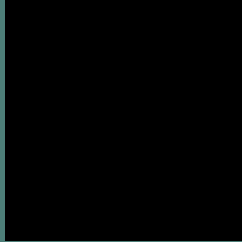
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.9116, 17.8556, 20.4825

Background



This preview shows how black text looks on a background with the XYZ color 13.9116, 17.8556, 20.4825.



This preview shows how white text looks on a background with the XYZ color 13.9116, 17.8556,

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

13.9116, 17.8556, 20.4825

Protanopia

16.8904, 17.6276, 18.4318

Deuteranopia

17.9377, 17.6003, 21.1907



Tritanopia

14.9041, 17.8859, 25.2210

Trichromacy



Original Color

13.9116, 17.8556, 20.4825

Protanomaly

15.5778, 17.6370, 19.1062

Deuteranomaly

16.1756, 17.5502, 20.9473

Tritanomaly

14.6043, 17.9577, 23.4653

Monochromacy



Original Color

13.9116, 17.8556, 20.4825

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.4282, 16.3583, 18.3166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9116, 17.8556, 20.4825 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(77, 126, 120)` looks like.

```
.text, #text, p{  
    color:rgb(77, 126, 120)  
}
```

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(77, 126, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 126, 120) }
```

Border

The CSS property to change the border of an element to XYZ 13.9116, 17.8556, 20.4825 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(77, 126, 120) }
```


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

```
.border{ border-color:rgb(77, 126, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 126, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 126, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 126, 120);  
box-shadow:4px 4px 4px 4px rgb(77, 126,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9116, 17.8556, 20.4825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 126, 120) }
```

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

```
.background{ background-color: rgb(77, 126,  
120) }
```

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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