

Converting Colors

XYZ(13.5333, 17.7695, 27.0428)

Have a look what the booklet for
XYZ(13.5333, 17.7695, 27.0428)
contains.

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Color

**XYZ(13.5162, 17.6958,
27.1293)**

Conversions

Conversions Part 1

Format	Color
Hex	317F8B
RGB	49, 127, 139
RGB Percent	19%, 50%, 55%
CMY	0.8078, 0.5020, 0.4549
CMYK	0.65, 0.09, 0.00, 0.45
HSL	188°, 48%, 37%
HSV	188°, 65%, 55%
XYZ	13.5162, 17.6958, 27.1293
YIQ	105.0460, -50.3400, -12.8040

Conversions

Conversions Part 2

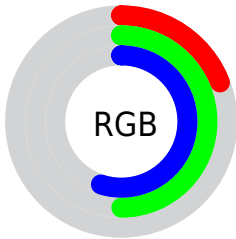
Format	Color
R_{YB}	49, 91, 139
Decimal	3243915
CIE _{Lab}	49.13, -19.73, -13.57
CIE _{LCh}	49, 23.944, 214.512
Yxy	17.6958, 0.2317, 0.3033
Android (android.graphics.Color)	4281433995 (0xFF317F8B)
YUV	105.0460, 16.7393, -49.1523
Hunter-Lab	42.0664, -16.2629, -8.7906




Details

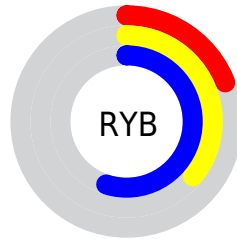
The XYZ color **13.5162, 17.6958, 27.1293** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.8710, 9.0487, 3.9745**, and the grayscale version is **13.4062, 14.1044, 15.3596**.




A 20% lighter version of the original color is **31.7795, 39.5125, 55.8209**, and **4.5276, 6.1700, 10.4035** is the 20% darker color. If you saturate the color by 10%, you get **12.7094, 16.9282, 27.0240**, and if you desaturate by 10%, it is **14.5353, 18.5801, 27.2466**.

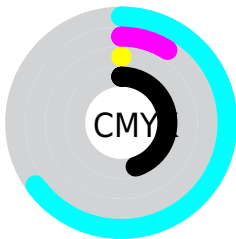
Distribution







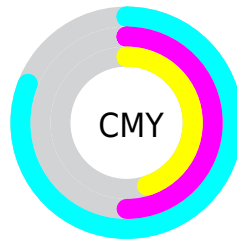
-  Red (19%)
-  Green (50%)
-  Blue (55%)






-  Red (19%)
-  Yellow (36%)
-  Blue (55%)



-  Cyan (65%)
-  Magenta (9%)
-  Yellow (0%)
-  Black (45%)



-  Cyan (81%)
-  Magenta (50%)
-  Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5162, 17.6958, 27.1293 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 13.5162, 17.6958, 27.1293 by changing the saturation by 10% instead.

■ 13.5162, 17.6958,
27.1293

■ 13.5162, 17.6958,
27.1293

■ 207.7714,
239.1508, 302.0626

■ 7.8644, 10.7318,
17.4371

■ 31.8216, 39.5183,
56.0975

■ 4.0594, 5.8868,
10.3813

■ 45.2059, 55.1456,
76.2106

■ 1.7358, 2.7764,
5.5436

■ 61.8984, 74.4294,
100.6344

■ 0.4785, 1.0161,
2.5054

■ 82.2644, 97.7542,
129.7874

■ 0.0000, 0.0000,
0.8430

■ 106.6694,
125.5044, 164.0882

■ 0.0000, 0.0000,
0.0000

■ 135.4786,

158.0642, 203.9553

169.0575,
195.8182, 249.8072

■ 13.5162, 17.6958,
27.1293

■ 13.5162, 17.6958,
27.1293

■ 12.7094, 16.9282,
27.0240

■ 14.5353, 18.5801,
27.2466

■ 12.0936, 16.2651,
26.9285

■ 15.7823, 19.5882,
27.3755

■ 11.6429, 15.6937,
26.8419

■ 17.2733, 20.7286,
27.5170

■ 11.4332, 15.4100,
26.7982

■ 19.0223, 22.0087,
27.6719

■ 21.0423, 23.4351,
27.8408

■ 23.3454, 25.0142,
28.0242

■ 25.9431, 26.7519,
28.2227

■ 28.8460, 28.6537,
28.4367

■ 32.0644, 30.7250,
28.6669

Harmonies

Analogous

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



12.8832, 17.6958, 20.2537



13.5162, 17.6958, 27.1293



15.0343, 17.6958, 32.6737

Triad

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



13.5162, 17.6958, 27.1293



21.0113, 17.6958, 25.0738



16.4830, 17.6958, 9.4067

Complementary

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



13.5162, 17.6958, 27.1293



12.8710, 9.0487, 3.9745

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.



18.7403, 17.6958, 10.1454



13.5162, 17.6958, 27.1293



21.4852, 17.6958, 18.3143

Square

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



13.5162, 17.6958, 27.1293



19.3776, 17.6958, 31.3142



20.6210, 17.6958, 13.0937



14.4967, 17.6958, 10.7909

Rectangle

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



13.5162, 17.6958, 27.1293



16.4110, 17.6958, 34.3264



20.6210, 17.6958, 13.0937



17.2343, 17.6958, 9.4181

Sweetspot

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



13.5168, 17.6965, 27.1297



35.9321, 40.7418, 49.7131



11.3022, 19.4396, 7.3632



8.0697, 9.2392, 11.4375



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.5168, 17.6965, 27.1297



22.1736, 29.7049, 48.3079



9.0590, 8.7810, 25.6438



5.1170, 5.5768, 6.4126



10.3278, 13.9259, 24.1893



0.0759, 0.1071, 0.1631

Inverse Universe

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



15.5770, 9.2184, 21.0377



26.3622, 13.9526, 35.5896



16.2031, 15.7129, 5.0852



5.2057, 5.1177, 6.1714



12.6998, 6.1900, 16.7213



0.0881, 0.0426, 0.1305

Previews

White Background



This preview shows how the XYZ color 13.5162, 17.6958, 27.1293 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 13.5162, 17.6958, 27.1293 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 13.5162, 17.6958, 27.1293

Background



This preview shows how black text looks on a background with the XYZ color 13.5162, 17.6958, 27.1293.

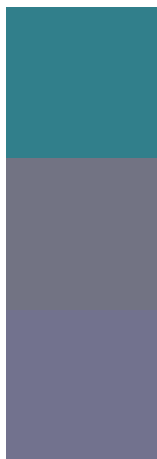


This preview shows how white text looks on a background with the XYZ color 13.5162, 17.6958,

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

13.5162, 17.6958, 27.1293

Protanopia

17.1669, 17.4776, 23.9414

Deuteranopia

17.8392, 17.5650, 28.0413



Tritanopia

13.3957, 17.6421, 26.7440

Trichromacy



Original Color

13.5162, 17.6958, 27.1293

Protanomaly

15.1164, 17.0885, 25.0560

Deuteranomaly

15.6210, 17.2904, 27.7134

Tritanomaly

13.3957, 17.6421, 26.7440

Monochromacy



Original Color

13.5162, 17.6958, 27.1293

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.8623, 15.0259, 19.0520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5162, 17.6958, 27.1293 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(49, 127, 139)` looks like.

```
.text, #text, p{  
    color:rgb(49, 127, 139)  
}
```

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(49, 127, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 127, 139) }
```

Border

The CSS property to change the border of an element to XYZ 13.5162, 17.6958, 27.1293 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(49, 127, 139) }
```


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

```
.border{ border-color:rgb(49, 127, 139) }
```

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

Here you see how a box with a 4 pixel rgb(49, 127, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 127, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 127, 139);  
box-shadow:4px 4px 4px 4px rgb(49, 127,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5162, 17.6958, 27.1293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 127, 139) }
```

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

```
.background{ background-color: rgb(49, 127,  
139) }
```

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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