

Converting Colors

XYZ(9.9694, 10.2259, 17.3385)

Have a look what the booklet for
XYZ(9.9694, 10.2259, 17.3385)
contains.

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Color

**XYZ(10.0017, 10.2327,
17.3676)**

Conversions

Conversions Part 1

Format	Color
Hex	505A72
RGB	80, 90, 114
RGB Percent	31%, 35%, 45%
CMY	0.6863, 0.6471, 0.5529
CMYK	0.30, 0.21, 0.00, 0.55
HSL	222°, 18%, 38%
HSV	222°, 30%, 45%
XYZ	10.0017, 10.2327, 17.3676
YIQ	89.7460, -13.6640, 5.3440

Conversions

Conversions Part 2

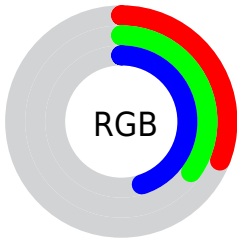
Format	Color
R_{YB}	80, 88, 114
Decimal	5266034
CIE Lab	38.26, 2.19, -14.92
CIE LCh	38, 15.079, 278.352
Yxy	10.2327, 0.2660, 0.2721
Android (android.graphics.Color)	4283456114 (0xFF505A72)
YUV	89.7460, 11.9572, -8.5472
Hunter-Lab	31.9886, -0.1694, -9.7984

Details

The XYZ color **10.0017, 10.2327, 17.3676** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3379, 14.0574, 9.6001**, and the grayscale version is **9.6379, 10.1398, 11.0423**.

A 20% lighter version of the original color is **25.4669, 26.2552, 39.8019**, and **2.5814, 2.6102, 5.5220** is the 20% darker color. If you saturate the color by 10%, you get **8.4773, 8.4934, 17.1124**, and if you desaturate by 10%, it is **11.7637, 12.2040, 17.6554**.

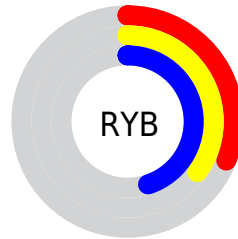
Distribution



Red (31%)

Green (35%)

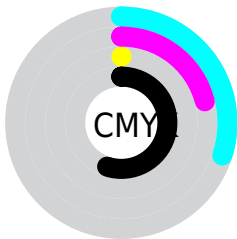
Blue (45%)



Red (31%)

Yellow (35%)

Blue (45%)

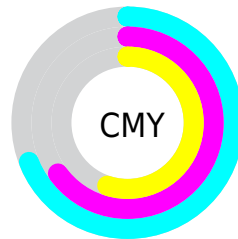


Cyan (30%)

Magenta (21%)

Yellow (0%)

Black (55%)



Cyan (69%)

Magenta (65%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0017, 10.2327, 17.3676 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 10.0017, 10.2327, 17.3676 by changing the saturation by 10% instead.

■ 10.0017, 10.2327,
17.3676

■ 10.0017, 10.2327,
17.3676

184.7376,
192.3249, 249.3972

■ 5.4624, 5.5535,
10.3322

■ 25.4483, 26.2323,
39.7560

■ 2.5585, 2.5755,
5.5113

■ 37.0864, 38.3215,
55.9461

■ 0.9249, 0.9144,
2.4863

■ 51.8213, 53.6494,
76.0248

■ 0.0000, 0.0000,
0.8329

■ 70.0186, 72.6006,
100.4108

■ 0.0000, 0.0000,
0.0000

■ 92.0434, 95.5593,
129.5224

118.2613,

122.9100, 163.7784

149.0376,
155.0371, 203.5971

■ 10.0017, 10.2327,
17.3676

■ 10.0017, 10.2327,
17.3676

■ 8.4773, 8.4934,
17.1124

■ 11.7637, 12.2040,
17.6554

■ 7.1788, 6.9760,
16.8879

■ 13.7720, 14.4146,
17.9762

■ 6.0952, 5.6714,
16.6932

■ 16.0364, 16.8727,
18.3314

■ 5.2140, 4.5693,
16.5270

■ 18.5657, 19.5860,
18.7218

■ 4.5214, 3.6584,
16.3877

■ 21.3683, 22.5617,
19.1484

■ 4.0015, 2.9264,
16.2738

■ 24.4521, 25.8068,
19.6123

■ 3.6026, 2.3417,
16.1819

■ 27.8249, 29.3280,
20.1141

■ 3.5960, 2.3324,
16.1805

■ 31.4940, 33.1316,
20.6549

■ 35.4665, 37.2240,
21.2355

Harmonies

Analogous

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



9.0483, 10.2327, 16.9371



10.0017, 10.2327, 17.3676



10.9405, 10.2327, 15.9234

Triad

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



10.0017, 10.2327, 17.3676



11.2770, 10.2327, 8.1218



8.0800, 10.2327, 9.2700

Complementary

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



10.0017, 10.2327, 17.3676



13.3379, 14.0574, 9.6001

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.



8.6047, 10.2327, 7.4281



10.0017, 10.2327, 17.3676



10.4365, 10.2327, 6.8467

Square

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



10.0017, 10.2327, 17.3676



11.7084, 10.2327, 10.3773



9.4552, 10.2327, 6.6160



7.9808, 10.2327, 11.9427

Rectangle

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



10.0017, 10.2327, 17.3676



11.4169, 10.2327, 14.2145



9.4552, 10.2327, 6.6160



8.2107, 10.2327, 8.5471

Sweetspot

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



10.0020, 10.2331, 17.3678



24.4240, 25.5738, 31.6244



11.8144, 14.7358, 15.2654



5.5484, 5.8051, 7.2978



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



10.0020, 10.2331, 17.3678



15.6312, 15.7698, 30.1955



9.8181, 8.9692, 17.1336



3.2902, 3.4456, 4.2459



3.9895, 2.5694, 18.0073



19.2089, 11.4698, 89.4806

Inverse Universe

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



11.6539, 10.0532, 10.9995



19.0877, 15.5419, 16.8363



13.5530, 15.7523, 9.9159



3.4211, 3.4162, 3.7445



8.0321, 4.1052, 1.9788



39.6758, 20.3156, 8.0907

Previews

White Background



This preview shows how the XYZ color 10.0017, 10.2327, 17.3676 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 10.0017, 10.2327, 17.3676 looks on a black 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

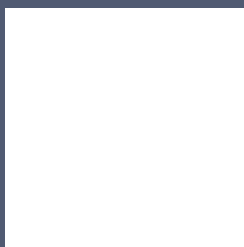
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.0017, 10.2327, 17.3676

Background



This preview shows how black text looks on a background with the XYZ color 10.0017, 10.2327, 17.3676.

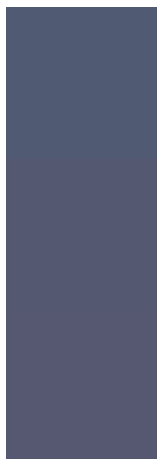


This preview shows how white text looks on a background with the XYZ color 10.0017, 10.2327,

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

10.0017, 10.2327, 17.3676

Protanopia

10.2092, 10.2218, 17.0577

Deuteranopia

10.3647, 10.1728, 17.3369



Tritanopia

9.2752, 10.3266, 13.5610

Trichromacy



Original Color

10.0017, 10.2327, 17.3676

Protanomaly

10.1203, 10.1760, 17.0536

Deuteranomaly

10.2658, 10.2445, 17.3559

Tritanomaly

9.5188, 10.2939, 14.8498

Monochromacy



Original Color

10.0017, 10.2327, 17.3676

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.7460, 10.1916, 13.2579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0017, 10.2327, 17.3676 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(80, 90, 114) looks like.

```
.text, #text, p{  
    color:rgb(80, 90, 114)  
}
```

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(80, 90, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 90, 114) }
```

Border

The CSS property to change the border of an element to XYZ 10.0017, 10.2327, 17.3676 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(80, 90, 114) }
```


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

```
.border{ border-color:rgb(80, 90, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 90, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 90, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 90, 114);  
box-shadow:4px 4px 4px 4px rgb(80, 90,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0017, 10.2327, 17.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 90, 114) }
```

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

```
.background{ background-color: rgb(80, 90,  
114) }
```

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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