

Converting Colors

XYZ(9.8964, 13.7217, 16.3143)

Have a look what the booklet for
XYZ(9.8964, 13.7217, 16.3143)
contains.

XYZ(9.8964, 13.7217, 16.3143)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(9.8964, 13.7217,
16.3143)**

Conversions

Conversions Part 1

Format	Color
Hex	2F726C
RGB	47, 114, 108
RGB Percent	18%, 45%, 42%
CMY	0.8157, 0.5529, 0.5765
CMYK	0.59, 0.00, 0.05, 0.55
HSL	175°, 42%, 32%
HSV	175°, 59%, 45%
XYZ	9.8964, 13.7217, 16.3143
YIQ	93.2830, -38.0060, -16.0700

Conversions

Conversions Part 2

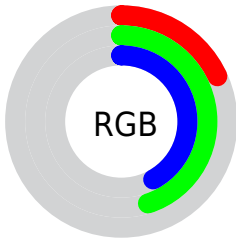
Format	Color
R_{YB}	47, 82, 114
Decimal	3109484
CIE _{Lab}	43.83, -22.67, -3.07
CIE _{LCh}	44, 22.875, 187.711
Yxy	13.7217, 0.2478, 0.3436
Android (android.graphics.Color)	4281299564 (0xFF2F726C)
YUV	93.2830, 7.2555, -40.5902
Hunter-Lab	37.0428, -17.1367, -0.1824




Details

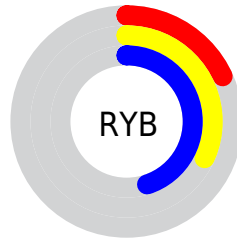
The XYZ color **9.8964, 13.7217, 16.3143** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.5990, 5.8679, 4.0481**, and the grayscale version is **10.4610, 11.0057, 11.9852**.




A 20% lighter version of the original color is **25.1498, 32.4850, 37.7456**, and **2.7326, 4.1175, 5.0656** is the 20% darker color. If you saturate the color by 10%, you get **9.3841, 13.4642, 16.0086**, and if you desaturate by 10%, it is **10.5475, 14.0514, 16.6305**.

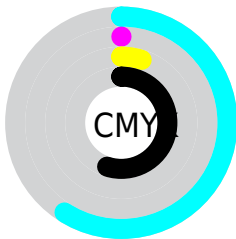
Distribution







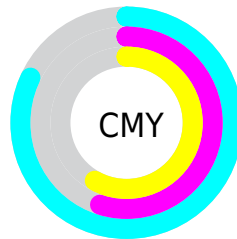
-  Red (18%)
-  Green (45%)
-  Blue (42%)






-  Red (18%)
-  Yellow (32%)
-  Blue (45%)



-  Cyan (59%)
-  Magenta (0%)
-  Yellow (5%)
-  Black (55%)



-  Cyan (82%)
-  Magenta (55%)
-  Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8964, 13.7217, 16.3143 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 9.8964, 13.7217, 16.3143 by changing the saturation by 10% instead.

■ 9.8964, 13.7217,
16.3143

■ 9.8964, 13.7217,
16.3143

■ 184.0002,
215.4926, 243.0980

■ 5.3921, 7.9274,
9.5901

■ 25.2519, 32.5944,
37.9173

■ 2.5162, 4.0485,
5.0260

■ 36.8338, 46.4416,
53.6332

■ 0.9034, 1.7007,
2.2035

■ 51.5055, 63.7418,
73.1834

■ 0.0000, 0.4241,
0.6764

■ 69.6326, 84.8794,
96.9865

■ 0.0000, 0.0000,
0.0000

■ 91.5802, 110.2390,
125.4609

■ 117.7137,

140.2047, 159.0253

148.3986,
175.1611, 198.0981

■ 9.8964, 13.7217,
16.3143

■ 9.8964, 13.7217,
16.3143

■ 9.3841, 13.4642,
16.0086

■ 10.5475, 14.0514,
16.6305

■ 8.9984, 13.2715,
15.7118

■ 11.3460, 14.4566,
16.9566

■ 8.7272, 13.1378,
15.4236

■ 12.3012, 14.9426,
17.2933

■ 8.5295, 13.0419,
15.1422

■ 13.4212, 15.5134,
17.6412

■ 8.5056, 13.0303,
15.1078

■ 14.7136, 16.1731,
18.0005

■ 16.1856, 16.9252,
18.3715

■ 17.8440, 17.7734,
18.7547

■ 19.6950, 18.7208,
19.1503

■ 21.7448, 19.7706,
19.5586

Harmonies

Analogous

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



10.0872, 13.7217, 11.4791



9.8964, 13.7217, 16.3143



10.4847, 13.7217, 21.8821

Triad

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



9.8964, 13.7217, 16.3143



15.2821, 13.7217, 24.2636



14.4031, 13.7217, 7.5019

Complementary

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



9.8964, 13.7217, 16.3143



8.5990, 5.8679, 4.0481

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.



15.9847, 13.7217, 9.6483



9.8964, 13.7217, 16.3143



16.5240, 13.7217, 19.0362

Square

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



9.8964, 13.7217, 16.3143



13.5133, 13.7217, 27.1128



16.7923, 13.7217, 13.6463



12.5819, 13.7217, 7.0971

Rectangle

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



9.8964, 13.7217, 16.3143



11.2746, 13.7217, 25.0163



16.7923, 13.7217, 13.6463



14.9852, 13.7217, 8.0150

Sweetspot

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



9.8968, 13.7222, 16.3146



23.6491, 27.2938, 31.0187



8.0361, 13.0164, 4.7785



5.3577, 6.2552, 7.1405



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.



9.8968, 13.7222, 16.3146



16.1892, 23.5090, 27.9172



7.6344, 8.6686, 17.1910



3.4627, 3.8103, 4.2429



9.4649, 14.5035, 16.8010



46.9850, 72.1827, 82.8295

Inverse Universe

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



8.5990, 5.8679, 4.0481



13.6811, 8.2570, 4.1567



9.8885, 8.6541, 3.8389



3.3955, 3.4059, 3.6095



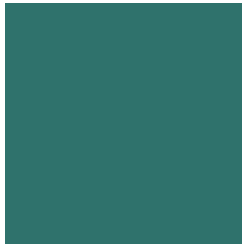
7.7838, 4.0059, 0.6716



38.6277, 19.8964, 2.5714

Previews

White Background



This preview shows how the XYZ color 9.8964, 13.7217, 16.3143 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 9.8964, 13.7217, 16.3143 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 9.8964, 13.7217, 16.3143

Background



This preview shows how black text looks on a background with the XYZ color 9.8964, 13.7217, 16.3143.



This preview shows how white text looks on a background with the XYZ color 9.8964, 13.7217,

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

9.8964, 13.7217, 16.3143

Protanopia

13.0249, 13.6433, 14.2589

Deuteranopia

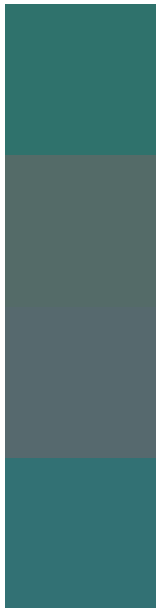
13.7331, 13.5133, 16.9234



Tritanopia

10.6615, 13.6989, 20.1714

Trichromacy



Original Color

9.8964, 13.7217, 16.3143

Protanomaly

11.4125, 13.3997, 15.0816

Deuteranomaly

11.7038, 13.2074, 16.6843

Tritanomaly

10.3729, 13.7493, 18.6302

Monochromacy



Original Color

9.8964, 13.7217, 16.3143

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.8388, 11.7257, 13.3000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8964, 13.7217, 16.3143 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, 114, 108)` looks like.

```
.text, #text, p{  
    color:rgb(47, 114, 108)  
}
```

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, 114, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 114, 108) }
```

Border

The CSS property to change the border of an element to XYZ 9.8964, 13.7217, 16.3143 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, 114, 108) }
```


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

```
.border{ border-color:rgb(47, 114, 108) }
```

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

Here you see how a box with a 4 pixel rgb(47, 114, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 114, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 114, 108);  
box-shadow:4px 4px 4px 4px rgb(47, 114,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8964, 13.7217, 16.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 114, 108) }
```

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

```
.background{ background-color: rgb(47, 114,  
108) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor