

Converting Colors

XYZ(7.0402, 10.2620, 10.1652)

Have a look what the booklet for
XYZ(7.0402, 10.2620, 10.1652)
contains.

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Color

**XYZ(6.9962, 10.1823,
10.1910)**

Conversions

Conversions Part 1

Format	Color
Hex	266455
RGB	38, 100, 85
RGB Percent	15%, 39%, 33%
CMY	0.8510, 0.6078, 0.6667
CMYK	0.62, 0.00, 0.15, 0.61
HSL	165°, 45%, 27%
HSV	165°, 62%, 39%
XYZ	6.9962, 10.1823, 10.1910
YIQ	79.7520, -32.1370, -17.8090

Conversions

Conversions Part 2

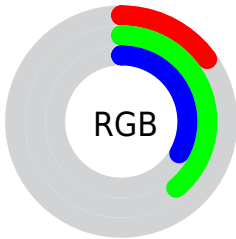
Format	Color
R_{YB}	38, 73, 100
Decimal	2516053
CIE _{Lab}	38.17, -23.94, 2.59
CIE _{LCh}	38, 24.075, 173.833
Yxy	10.1823, 0.2556, 0.3720
Android (android.graphics.Color)	4280706133 (0xFF266455)
YUV	79.7520, 2.5873, -36.6165
Hunter-Lab	31.9097, -16.7059, 3.4014

Details

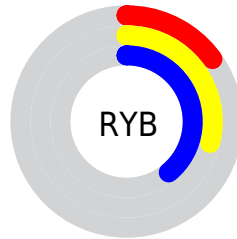
The XYZ color **6.9962, 10.1823, 10.1910** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.5916, 4.3529, 3.8613**, and the grayscale version is **7.5767, 7.9713, 8.6807**.

A 20% lighter version of the original color is **19.6562, 26.0561, 26.9150**, and **1.6561, 2.6994, 2.4412** is the 20% darker color. If you saturate the color by 10%, you get **6.5815, 9.9797, 9.6785**, and if you desaturate by 10%, it is **7.5139, 10.4381, 10.7259**.

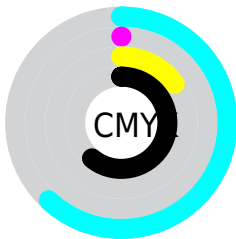
Distribution



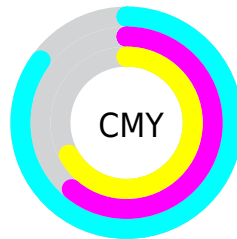
- Red (15%)
- Green (39%)
- Blue (33%)



- Red (15%)
- Yellow (29%)
- Blue (39%)



- Cyan (62%)
- Magenta (0%)
- Yellow (15%)
- Black (61%)



- Cyan (85%)
- Magenta (61%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.9962, 10.1823, 10.1910 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 6.9962, 10.1823, 10.1910 by changing the saturation by 10% instead.

6.9962, 10.1823,
10.1910

6.9962, 10.1823,
10.1910

162.1775,
191.9683, 202.5640

3.5060, 5.5200,
5.4185

19.6704, 26.1378,
26.7676

1.4267, 2.5555,
2.4319

29.5851, 38.1998,
39.4087

0.2751, 0.9043,
0.8037

42.3720, 53.4972,
55.5098

0.0000, 0.0000,
0.0000

58.3965, 72.4143,
75.4895

78.0240, 95.3356,
99.7662

101.6197,

122.6454, 128.7585

129.5491,
154.7282, 162.8849

■ 6.9962, 10.1823,
10.1910

■ 6.9962, 10.1823,
10.1910

■ 6.5815, 9.9797,
9.6785

■ 7.5139, 10.4381,
10.7259

■ 6.2608, 9.8249,
9.1872

■ 8.1411, 10.7498,
11.2830

■ 6.0234, 9.7127,
8.7167

■ 8.8846, 11.1210,
11.8631

■ 5.8551, 9.6338,
8.3531

■ 9.7505, 11.5549,
12.4666

■ 10.7444, 12.0545,
13.0939

■ 11.8717, 12.6223,
13.7454

■ 13.1373, 13.2611,
14.4215

■ 14.5459, 13.9733,
15.1225

■ 16.1021, 14.7610,
15.8490

Harmonies

Analogous

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



7.4567, 10.1823, 6.7576



6.9962, 10.1823, 10.1910



7.1896, 10.1823, 14.9248

Triad

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



6.9962, 10.1823, 10.1910



10.9388, 10.1823, 20.9244



11.5544, 10.1823, 5.5055

Complementary

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



6.9962, 10.1823, 10.1910



6.5916, 4.3529, 3.8613

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.



12.6829, 10.1823, 7.9706



6.9962, 10.1823, 10.1910



12.3017, 10.1823, 16.9555

Square

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



6.9962, 10.1823, 10.1910



9.3599, 10.1823, 21.9826



12.9700, 10.1823, 12.0336



10.0032, 10.1823, 4.5605

Rectangle

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



6.9962, 10.1823, 10.1910



7.6750, 10.1823, 18.1481



12.9700, 10.1823, 12.0336



12.0022, 10.1823, 6.1458

Sweetspot

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



6.9965, 10.1827, 10.1912



17.4977, 20.4595, 22.1194



6.4020, 10.0252, 3.4315



4.2200, 4.9913, 5.3867



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



6.9965, 10.1827, 10.1912



11.2843, 17.3721, 16.6037



6.3092, 7.7511, 13.2206



2.8767, 3.1745, 3.4523



7.8220, 12.8924, 11.0901



40.4404, 67.0987, 55.9683

Inverse Universe

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



6.5916, 4.3529, 3.8613



10.5212, 6.1796, 4.5219



6.9017, 5.4416, 2.5205



2.8541, 2.8563, 3.1044



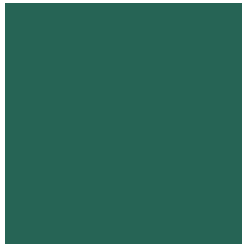
7.2442, 3.7106, 1.4183



37.4832, 19.2333, 5.8220

Previews

White Background



This preview shows how the XYZ color 6.9962, 10.1823, 10.1910 looks on a white background.

Color Contrast Check

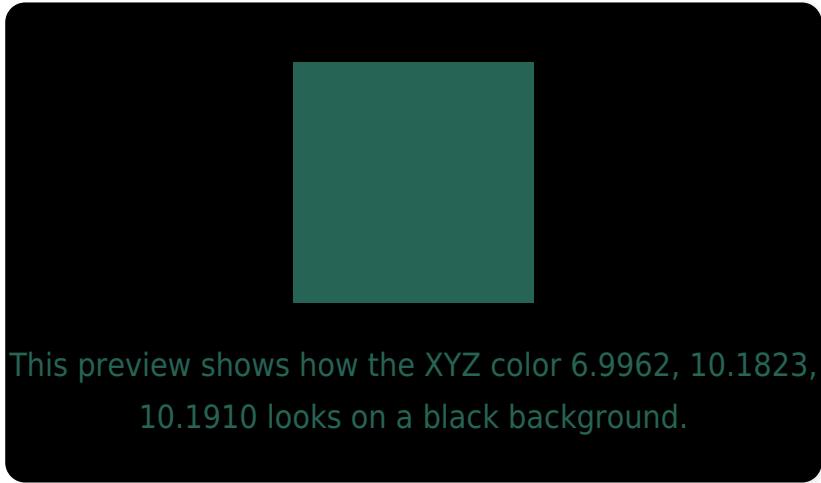
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 6.9962, 10.1823, 10.1910

Background



This preview shows how black text looks on a background with the XYZ color 6.9962, 10.1823, 10.1910.



This preview shows how white text looks on a background with the XYZ color 6.9962, 10.1823, 10.1910.

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

6.9962, 10.1823, 10.1910

Protanopia

9.4979, 10.0364, 8.8338

Deuteranopia

10.3152, 10.1736, 10.6526



Tritanopia

7.9512, 10.1502, 14.9047

Trichromacy



Original Color

6.9962, 10.1823, 10.1910

Protanomaly

8.1472, 9.8393, 9.2543

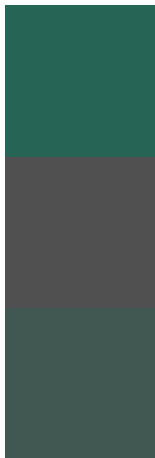
Deuteranomaly

8.6080, 9.9202, 10.4779

Tritanomaly

7.5685, 10.1308, 13.1118

Monochromacy



Original Color

6.9962, 10.1823, 10.1910

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

7.1112, 8.5494, 9.2580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.9962, 10.1823, 10.1910 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(38, 100, 85)` looks like.

```
.text, #text, p{  
    color:rgb(38, 100, 85)  
}
```

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(38, 100, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 100, 85) }
```

Border

The CSS property to change the border of an element to XYZ 6.9962, 10.1823, 10.1910 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(38, 100, 85) }
```


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

```
.border{ border-color:rgb(38, 100, 85) }
```

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

Here you see how a box with a 4 pixel rgb(38, 100, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 100, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 100, 85);  
box-shadow:4px 4px 4px 4px rgb(38, 100,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 6.9962, 10.1823, 10.1910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 100, 85) }
```

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

```
.background{ background-color: rgb(38, 100,  
85) }
```

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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