

Converting Colors

XYZ(10.9252, 12.6490, 28.3116)

Have a look what the booklet for
XYZ(10.9252, 12.6490, 28.3116)
contains.

XYZ(10.9510, 12.7150, 28.2626)	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(10.9510, 12.7150,
28.2626)**

Conversions

Conversions Part 1

Format	Color
Hex	256A90
RGB	37, 106, 144
RGB Percent	15%, 42%, 56%
CMY	0.8549, 0.5843, 0.4353
CMYK	0.74, 0.26, 0.00, 0.44
HSL	201°, 59%, 35%
HSV	201°, 74%, 56%
XYZ	10.9510, 12.7150, 28.2626
YIQ	89.7010, -53.3220, -2.8100

Conversions

Conversions Part 2

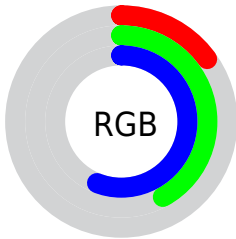
Format	Color
R_{YB}	37, 79, 144
Decimal	2452112
CIE _{Lab}	42.33, -8.13, -27.01
CIE _{LCh}	42, 28.205, 253.257
Yxy	12.7150, 0.2109, 0.2449
Android (android.graphics.Color)	4280642192 (0xFF256A90)
YUV	89.7010, 26.7694, -46.2188
Hunter-Lab	35.6581, -7.5823, -22.0326

Details

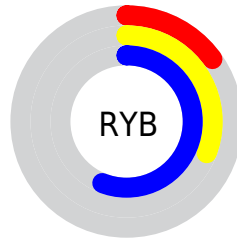
The XYZ color **10.9510, 12.7150, 28.2626** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **14.3522, 11.0959, 3.1361**, and the grayscale version is **9.6025, 10.1026, 11.0017**.

A 20% lighter version of the original color is **27.1798, 30.7325, 57.9255**, and **3.5397, 3.9182, 10.9257** is the 20% darker color. If you saturate the color by 10%, you get **10.0212, 11.4767, 28.0728**, and if you desaturate by 10%, it is **12.1170, 14.1222, 28.4730**.

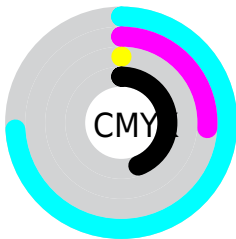
Distribution



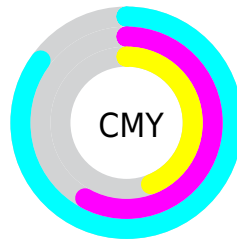
- Red (15%)
- Green (42%)
- Blue (56%)



- Red (15%)
- Yellow (31%)
- Blue (56%)



- Cyan (74%)
- Magenta (26%)
- Yellow (0%)
- Black (44%)



- Cyan (85%)
- Magenta (58%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9510, 12.7150, 28.2626 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 10.9510, 12.7150, 28.2626 by changing the saturation by 10% instead.

■ 10.9510, 12.7150,
28.2626

■ 10.9510, 12.7150,
28.2626

■ 191.2463,
209.0830, 307.6709

■ 6.1009, 7.2326,
18.2829

■ 27.2033, 30.7908,
57.9316

■ 2.9478, 3.6080,
10.9818

■ 39.3362, 44.1530,
78.4579

■ 1.1262, 1.4568,
5.9406

■ 54.6275, 60.9106,
103.3370

■ 0.0469, 0.2580,
2.7408

■ 73.4424, 81.4479,
132.9872

■ 0.0000, 0.0000,
0.9638

■ 96.1464, 106.1494,
167.8272

■ 0.0000, 0.0000,
0.0000

■ 123.1049,

135.3995, 208.2754

154.6830,
169.5826, 254.7505

■ 10.9510, 12.7150,
28.2626

■ 10.9510, 12.7150,
28.2626

■ 10.0212, 11.4767,
28.0728

■ 12.1170, 14.1222,
28.4730

■ 9.2990, 10.3910,
27.9013

■ 13.5398, 15.7090,
28.7043

■ 8.9360, 9.8175,
27.8098

■ 15.2391, 17.4866,
28.9579

■ 17.2322, 19.4647,
29.2346

■ 19.5350, 21.6521,
29.5355

■ 22.1620, 24.0570,
29.8612

■ 25.1268, 26.6872,
30.2126

■ 28.4423, 29.5500,
30.5905

■ 32.1205, 32.6524,
30.9954

Harmonies

Analogous

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



9.3585, 12.7150, 23.4589



10.9510, 12.7150, 28.2626



13.0421, 12.7150, 28.5588

Triad

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



10.9510, 12.7150, 28.2626



16.4920, 12.7150, 11.3415



9.5069, 12.7150, 6.9760

Complementary

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



10.9510, 12.7150, 28.2626



14.3522, 11.0959, 3.1361

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.



11.1763, 12.7150, 5.3201



10.9510, 12.7150, 28.2626



15.2959, 12.7150, 7.2981

Square

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



10.9510, 12.7150, 28.2626



16.4134, 12.7150, 17.4785



13.2952, 12.7150, 5.4176



8.5939, 12.7150, 10.7527

Rectangle

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



10.9510, 12.7150, 28.2626



14.4557, 12.7150, 26.0478



13.2952, 12.7150, 5.4176



9.9892, 12.7150, 6.2098

Sweetspot

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



10.9515, 12.7154, 28.2629



35.2682, 38.9443, 52.1962



11.9879, 20.8407, 9.9499



7.8478, 8.7077, 11.9393



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



10.9515, 12.7154, 28.2629



16.8067, 18.9645, 49.3127



7.0729, 4.9583, 26.9701



5.4013, 5.7984, 6.8633



7.8042, 8.5944, 24.2246



0.0955, 0.1239, 0.2386

Inverse Universe

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



14.7651, 8.2935, 14.4587



24.3959, 12.5156, 21.3150



19.5486, 21.4886, 4.8682



5.5460, 5.4789, 6.3734



11.7423, 5.8539, 9.5603



0.1228, 0.0602, 0.1468

Previews

White Background



This preview shows how the XYZ color 10.9510, 12.7150, 28.2626 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 10.9510, 12.7150, 28.2626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

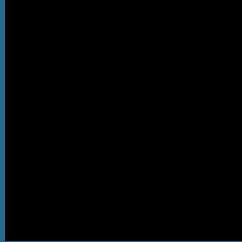
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.9510, 12.7150, 28.2626

Background



This preview shows how black text looks on a background with the XYZ color 10.9510, 12.7150, 28.2626.



This preview shows how white text looks on a background with the XYZ color 10.9510, 12.7150,

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

10.9510, 12.7150, 28.2626

Protanopia

12.9796, 12.6451, 25.8014

Deuteranopia

12.9584, 12.7045, 28.9634



Tritanopia

9.1622, 12.7701, 19.7513

Trichromacy



Original Color

10.9510, 12.7150, 28.2626

Protanomaly

11.8415, 12.4660, 26.5930

Deuteranomaly

11.9766, 12.6371, 28.5960

Tritanomaly

9.6805, 12.6509, 22.7005

Monochromacy



Original Color

10.9510, 12.7150, 28.2626

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.5959, 10.8311, 16.3367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9510, 12.7150, 28.2626 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(37, 106, 144)` looks like.

```
.text, #text, p{  
    color:rgb(37, 106, 144)  
}
```

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(37, 106, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 106, 144) }
```

Border

The CSS property to change the border of an element to XYZ 10.9510, 12.7150, 28.2626 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(37, 106, 144) }
```


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

```
.border{ border-color:rgb(37, 106, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 106, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 106, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 106, 144);  
box-shadow:4px 4px 4px 4px rgb(37, 106,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9510, 12.7150, 28.2626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 106, 144) }
```

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

```
.background{ background-color: rgb(37, 106,  
144) }
```

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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