

Converting Colors

XYZ(10.4359, 12.0912, 2.2173)

Have a look what the booklet for
XYZ(10.4359, 12.0912, 2.2173)
contains.

XYZ(10.4691, 12.1521, 2.2457)	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(10.4691, 12.1521,
2.2457)**

Conversions

Conversions Part 1

Format	Color
Hex	69640F
RGB	105, 100, 15
RGB Percent	41%, 39%, 6%
CMY	0.5882, 0.6078, 0.9412
CMYK	0.00, 0.05, 0.86, 0.59
HSL	57°, 75%, 24%
HSV	57°, 86%, 41%
XYZ	10.4691, 12.1521, 2.2457
YIQ	91.8050, 30.2650, -25.3750

Conversions

Conversions Part 2

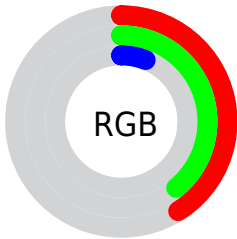
Format	Color
R_{YB}	20, 105, 15
Decimal	6906895
CIE Lab	41.46, -7.98, 44.22
CIE LCh	41, 44.930, 100.232
Yxy	12.1521, 0.4210, 0.4887
Android (android.graphics.Color)	4285096975 (0xFF69640F)
YUV	91.8050, -37.8649, 11.5720
Hunter-Lab	34.8599, -7.3977, 20.5824

Details

The XYZ color **10.4691, 12.1521, 2.2457** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.9970, 1.6218, 13.5196**, and the grayscale version is **10.2076, 10.7392, 11.6950**.

A 20% lighter version of the original color is **26.3778, 29.9094, 9.6930**, and **2.8405, 3.4226, 0.5109** is the 20% darker color. If you saturate the color by 10%, you get **10.3521, 12.0166, 1.9031**, and if you desaturate by 10%, it is **10.6202, 12.3028, 2.7633**.

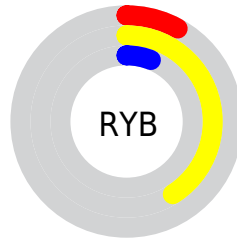
Distribution



Red (41%)

Green (39%)

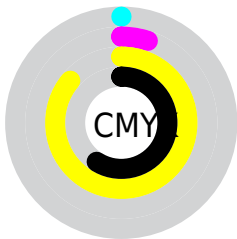
Blue (6%)



Red (8%)

Yellow (41%)

Blue (6%)

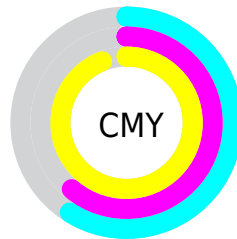


Cyan (0%)

Magenta (5%)

Yellow (86%)

Black (59%)



Cyan (59%)

Magenta (61%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4691, 12.1521, 2.2457 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 10.4691, 12.1521, 2.2457 by changing the saturation by 10% instead.

■ 10.4691, 12.1521,
2.2457

■ 10.4691, 12.1521,
2.2457

187.9726,
205.4096, 126.0824

■ 5.7757, 6.8474,
0.7006

■ 26.3159, 29.7718,
9.7023

■ 2.7485, 3.3668,
0.0000

■ 38.2001, 42.8556,
16.4741

■ 1.0222, 1.3261,
0.0000

■ 53.2118, 59.3011,
25.8329

■ 0.0000, 0.1613,
0.0000


■ 71.7166, 79.4929,
38.1974


■ 0.0000, 0.0000,
0.0000


■ 94.0797, 103.8152,
53.9861


■ 120.6665,


132.6525, 73.6174


 151.8424,
166.3892, 97.5100


 10.4691, 12.1521,
2.2457


 10.4691, 12.1521,
2.2457


 10.3521, 12.0166,
1.9031


 10.6202, 12.3028,
2.7633

 10.3036, 11.9592,
1.7653

 10.8143, 12.4708,
3.5064

 11.0558, 12.6585,
4.4977

 11.3486, 12.8674,
5.7568

 11.6960, 13.0987,
7.3015

■ 12.1011, 13.3538,
9.1480

■ 12.5668, 13.6337,
11.3113

■ 13.0956, 13.9395,
13.8054

■ 13.6902, 14.2723,
16.6435

Harmonies

Analogous

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



13.8094, 12.1521, 2.4916



10.4691, 12.1521, 2.2457



7.9471, 12.1521, 3.6969

Triad

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



10.4691, 12.1521, 2.2457



7.3851, 12.1521, 28.5989



18.5336, 12.1521, 20.3022

Complementary

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



10.4691, 12.1521, 2.2457



2.9970, 1.6218, 13.5196

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.



16.1048, 12.1521, 32.2843



10.4691, 12.1521, 2.2457



9.5519, 12.1521, 38.4345

Square

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



10.4691, 12.1521, 2.2457



6.4026, 12.1521, 16.6943



12.7033, 12.1521, 40.0330



18.9067, 12.1521, 10.2842

Rectangle

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



10.4691, 12.1521, 2.2457



6.9076, 12.1521, 6.1548



12.7033, 12.1521, 40.0330



17.9115, 12.1521, 24.3338

Sweetspot

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



10.4694, 12.1527, 2.2459



21.5886, 23.8624, 16.0119



6.1319, 3.3991, 1.0425



5.0139, 5.5629, 3.5527



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



10.4694, 12.1527, 2.2459



18.4216, 21.3576, 3.1515



7.3846, 11.2959, 2.2432



3.3195, 3.5562, 3.3289



13.0378, 15.1253, 2.2323



66.2208, 76.6452, 11.3038

Inverse Universe

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



2.9970, 1.6218, 13.5196



4.6487, 1.9923, 24.0706



4.2421, 2.1460, 13.5552



2.9607, 3.0497, 3.8675



3.2992, 1.4328, 17.0249



16.6025, 6.8836, 86.6798

Previews

White Background



This preview shows how the XYZ color 10.4691, 12.1521, 2.2457 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 10.4691, 12.1521, 2.2457 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 10.4691, 12.1521, 2.2457

Background



This preview shows how black text looks on a background with the XYZ color 10.4691, 12.1521, 2.2457.



This preview shows how white text looks on a background with the XYZ color 10.4691, 12.1521,

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

10.4691, 12.1521, 2.2457

Protanopia

10.8774, 12.0821, 2.1742

Deuteranopia

12.2090, 12.0902, 2.3520



Tritanopia

12.7701, 12.1283, 13.7245

Trichromacy



Original Color

10.4691, 12.1521, 2.2457

Protanomaly

10.7254, 12.1435, 2.1941

Deuteranomaly

11.4945, 12.1224, 2.3063

Tritanomaly

11.5637, 12.0466, 7.3460

Monochromacy



Original Color

10.4691, 12.1521, 2.2457

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.9474, 11.0960, 6.4679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4691, 12.1521, 2.2457 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(105, 100, 15)` looks like.

```
.text, #text, p{  
    color:rgb(105, 100, 15)  
}
```

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(105, 100, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 100, 15) }
```

Border

The CSS property to change the border of an element to XYZ 10.4691, 12.1521, 2.2457 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(105, 100, 15) }
```


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

```
.border{ border-color:rgb(105, 100, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 100, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 100, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 100, 15);  
box-shadow:4px 4px 4px 4px rgb(105, 100,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4691, 12.1521, 2.2457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 100, 15) }
```

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

```
.background{ background-color: rgb(105,  
100, 15) }
```

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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