

Converting Colors

XYZ(10.2145, 11.5789, 6.5095)

Have a look what the booklet for
XYZ(10.2145, 11.5789, 6.5095)
contains.

XYZ(10.2229, 11.6469, 6.5598)	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(10.2229, 11.6469,
6.5598)**

Conversions

Conversions Part 1

Format	Color
Hex	616240
RGB	97, 98, 64
RGB Percent	38%, 38%, 25%
CMY	0.6196, 0.6157, 0.7490
CMYK	0.01, 0.00, 0.35, 0.62
HSL	62°, 21%, 32%
HSV	62°, 35%, 38%
XYZ	10.2229, 11.6469, 6.5598
YIQ	93.8250, 10.3180, -10.7860

Conversions

Conversions Part 2

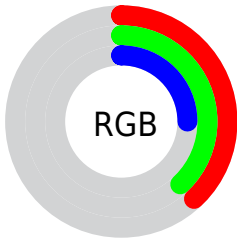
Format	Color
RYB	64, 98, 65
Decimal	6382144
CIELab	40.65, -6.39, 19.27
CIELCh	41, 20.300, 108.361
Yxy	11.6469, 0.3596, 0.4097
Android (android.graphics.Color)	4284572224 (0xFF616240)
YUV	93.8250, -14.7037, 2.7845
Hunter-Lab	34.1276, -6.2536, 12.4929

Details

The XYZ color **10.2229, 11.6469, 6.5598** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.2184, 5.6728, 12.3231**, and the grayscale version is **10.6301, 11.1837, 12.1791**.

A 20% lighter version of the original color is **25.8848, 28.9606, 19.5549**, and **2.6697, 3.1846, 1.1358** is the 20% darker color. If you saturate the color by 10%, you get **9.9376, 11.5296, 5.2165**, and if you desaturate by 10%, it is **10.5579, 11.7849, 8.1618**.

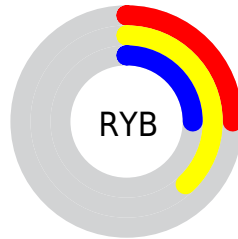
Distribution



 Red (38%)

 Green (38%)

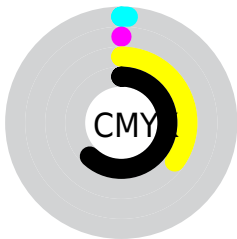
 Blue (25%)




 Red (25%)

 Yellow (38%)

 Blue (25%)

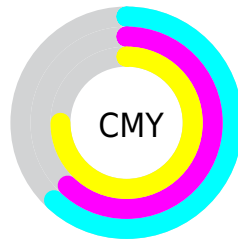


 Cyan (1%)

 Magenta (0%)

 Yellow (35%)

 Black (62%)



 Cyan (62%)

 Magenta (62%)

 Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2229, 11.6469, 6.5598 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 10.2229, 11.6469, 6.5598 by changing the saturation by 10% instead.

■ 10.2229, 11.6469,
6.5598

■ 10.2229, 11.6469,
6.5598

186.2762,
202.0535, 173.4439

■ 5.6104, 6.5037,
3.1141

■ 25.8598, 28.8504,
19.5796

■ 2.6480, 3.1537,
1.1532

■ 37.6149, 41.6794,
29.9907

■ 0.9705, 1.2125,
0.0000

■ 52.4816, 57.8392,
43.5608

■ 0.0000, 0.0719,
0.0000

■ 70.8252, 77.7142,
60.7084

■ 0.0000, 0.0000,
0.0000

■ 93.0111, 101.6887,
81.8519

■ 119.4047,

130.1472, 107.4100

150.3713,
163.4739, 137.8011

■ 10.2229, 11.6469,
6.5598

■ 10.2229, 11.6469,
6.5598

■ 9.9376, 11.5296,
5.2165

■ 10.5579, 11.7849,
8.1618

■ 9.6986, 11.4305,
4.1177

■ 10.9442, 11.9430,
10.0344

■ 9.5034, 11.3489,
3.2489

■ 11.3842, 12.1226,
12.1894

■ 9.3489, 11.2836,
2.5937

■ 11.8801, 12.3245,
14.6380

■ 9.2315, 11.2331,
2.1336

■ 12.4338, 12.5496,
17.3905

■ 9.1436, 11.1945,
1.8282

■ 13.0472, 12.7986,
20.4569

■ 9.0992, 11.1749,
1.6774

■ 13.7222, 13.0722,
23.8467

■ 14.4603, 13.3711,
27.5690

■ 15.2634, 13.6960,
31.6324

Harmonies

Analogous

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



11.6365, 11.6469, 6.4064



10.2229, 11.6469, 6.5598



9.1322, 11.6469, 8.1197

Triad

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



10.2229, 11.6469, 6.5598



9.3350, 11.6469, 19.5564



14.0004, 11.6469, 14.3446

Complementary

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



10.2229, 11.6469, 6.5598



6.2184, 5.6728, 12.3231

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.



13.2643, 11.6469, 18.6944



10.2229, 11.6469, 6.5598



10.5223, 11.6469, 22.1098

Square

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



10.2229, 11.6469, 6.5598



8.6509, 11.6469, 15.3389



11.9627, 11.6469, 21.7640



13.9027, 11.6469, 10.3502

Rectangle

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



10.2229, 11.6469, 6.5598



8.6968, 11.6469, 9.9834



11.9627, 11.6469, 21.7640



13.8399, 11.6469, 15.8266

Sweetspot

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



10.2232, 11.6474, 6.5600



19.5052, 21.0619, 19.1816



7.8283, 6.6982, 5.7310



4.6192, 4.9993, 4.4757



49.6657, 52.2522, 56.9026



4.8358, 5.0876, 5.5404

Same Dimension

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



10.2232, 11.6474, 6.5600



17.4812, 20.2317, 9.4535



8.6385, 10.8305, 6.4859



2.7561, 2.9657, 2.7713



12.1099, 14.8770, 2.2333



64.5578, 79.4063, 11.9244

Inverse Universe

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



6.2184, 5.6728, 12.3231



9.2520, 7.9535, 21.2975



7.4805, 6.3234, 12.3822



2.4568, 2.5191, 3.2020



2.9772, 1.1956, 15.4616



15.7720, 6.3190, 82.5930

Previews

White Background



This preview shows how the XYZ color 10.2229, 11.6469, 6.5598 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 10.2229, 11.6469, 6.5598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

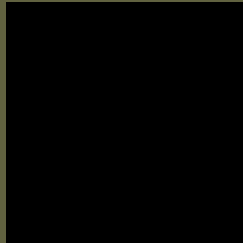
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

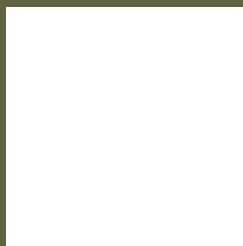
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.2229, 11.6469, 6.5598

Background



This preview shows how black text looks on a background with the XYZ color 10.2229, 11.6469, 6.5598.



This preview shows how white text looks on a background with the XYZ color 10.2229, 11.6469,

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

10.2229, 11.6469, 6.5598

Protanopia

10.7890, 11.6677, 6.3861

Deuteranopia

11.8515, 11.6808, 6.6310



Tritanopia

11.6301, 11.5350, 13.9254

Trichromacy



Original Color

10.2229, 11.6469, 6.5598

Protanomaly

10.5387, 11.6750, 6.4007

Deuteranomaly

11.1412, 11.5752, 6.6481

Tritanomaly

11.1092, 11.5983, 10.8857

Monochromacy



Original Color

10.2229, 11.6469, 6.5598

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.3729, 11.2418, 9.8068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2229, 11.6469, 6.5598 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(97, 98, 64) looks like.

```
.text, #text, p{  
    color:rgb(97, 98, 64)  
}
```

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(97, 98, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 98, 64) }
```

Border

The CSS property to change the border of an element to XYZ 10.2229, 11.6469, 6.5598 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(97, 98, 64) }
```


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

```
.border{ border-color:rgb(97, 98, 64) }
```

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

Here you see how a box with a 4 pixel rgb(97, 98, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 98, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 98, 64);  
box-shadow:4px 4px 4px 4px rgb(97, 98, 64)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.2229, 11.6469, 6.5598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 98, 64) }
```

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

```
.background{ background-color: rgb(97, 98,  
64) }
```

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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