

Converting Colors

XYZ(11.9384, 10.5791, 28.1290)

Have a look what the booklet for
XYZ(11.9384, 10.5791, 28.1290)
contains.

XYZ(11.9987, 10.6546, 28.2122)	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(11.9987, 10.6546,
28.2122)**

Conversions

Conversions Part 1

Format	Color
Hex	525791
RGB	82, 87, 145
RGB Percent	32%, 34%, 57%
CMY	0.6784, 0.6588, 0.4314
CMYK	0.43, 0.40, 0.00, 0.43
HSL	235°, 28%, 45%
HSV	235°, 43%, 57%
XYZ	11.9987, 10.6546, 28.2122
YIQ	92.1170, -21.5980, 16.9780

Conversions

Conversions Part 2

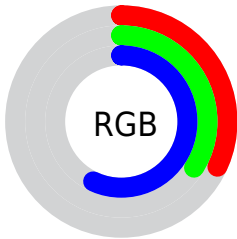
Format	Color
R_{YB}	82, 87, 145
Decimal	5396369
CIE _{Lab}	38.99, 13.79, -32.69
CIE _{LCh}	39, 35.477, 292.868
Yxy	10.6546, 0.2359, 0.2095
Android (android.graphics.Color)	4283586449 (0xFF525791)
YUV	92.1170, 26.0713, -8.8726
Hunter-Lab	32.6414, 8.4927, -28.3958

Details

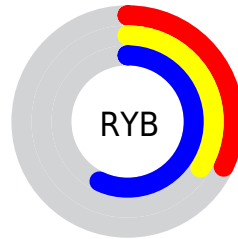
The XYZ color **11.9987, 10.6546, 28.2122** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.5785, 25.3855, 11.6930**, and the grayscale version is **10.1454, 10.6737, 11.6237**.

A 20% lighter version of the original color is **29.0860, 27.0832, 57.7274**, and **3.3838, 2.7401, 10.9402** is the 20% darker color. If you saturate the color by 10%, you get **9.8858, 8.1068, 27.8320**, and if you desaturate by 10%, it is **14.5787, 13.7404, 28.6720**.

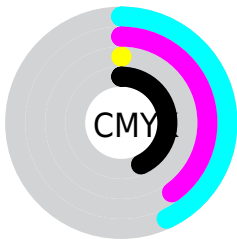
Distribution



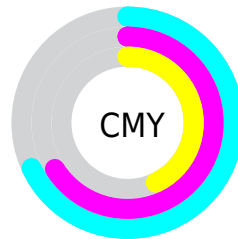
- Red (32%)
- Green (34%)
- Blue (57%)



- Red (32%)
- Yellow (34%)
- Blue (57%)



- Cyan (43%)
- Magenta (40%)
- Yellow (0%)
- Black (43%)



- Cyan (68%)
- Magenta (66%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9987, 10.6546, 28.2122 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 11.9987, 10.6546, 28.2122 by changing the saturation by 10% instead.

■ 11.9987, 10.6546,
28.2122

■ 11.9987, 10.6546,
28.2122

198.1668,
195.2823, 307.4233

■ 6.8150, 5.8351,
18.2452

■ 29.1096, 27.0197,
57.8502

■ 3.3920, 2.7451,
10.9549

■ 41.7675, 39.3340,
78.3584

■ 1.3643, 1.0001,
5.9228

■ 57.6475, 54.9154,
103.2173

■ 0.2306, 0.0000,
2.7301

■ 77.1150, 74.1483,
132.8457

■ 0.0000, 0.0000,
0.9585

■ 100.5353, 97.4170,
167.6619

■ 0.0000, 0.0000,
0.0000

128.2738,

125.1060, 208.0845

160.6959,
157.5997, 254.5321

■ 11.9987, 10.6546,
28.2122

■ 11.9987, 10.6546,
28.2122

■ 9.8858, 8.1068,
27.8320

■ 14.5787, 13.7404,
28.6720

■ 8.2110, 6.0649,
27.5261

■ 17.6503, 17.3912,
29.2148

■ 6.9435, 4.4954,
27.2900

■ 21.2377, 21.6339,
29.8447

■ 6.0484, 3.3601,
27.1180

■ 25.3631, 26.4931,
30.5652

■ 5.4845, 2.6150,
27.0039

■ 30.0473, 31.9921,
31.3797

■ 5.2364, 2.2955,
26.9553

■ 35.3103, 38.1530,
32.2915

■ 41.1708, 44.9968,
33.3036

■ 47.6469, 52.5436,
34.4189

■ 54.7557, 60.8127,
35.6404

Harmonies

Analogous

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



9.5728, 10.6546, 29.9141



11.9987, 10.6546, 28.2122



14.2018, 10.6546, 21.3713

Triad

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



11.9987, 10.6546, 28.2122



13.1272, 10.6546, 4.0080



6.2519, 10.6546, 10.0582

Complementary

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



11.9987, 10.6546, 28.2122



22.5785, 25.3855, 11.6930

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.



6.9171, 10.6546, 5.3819



11.9987, 10.6546, 28.2122



10.7020, 10.6546, 2.8832

Square

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



11.9987, 10.6546, 28.2122



14.9209, 10.6546, 7.2406



8.4606, 10.6546, 3.2635



6.4884, 10.6546, 17.4333

Rectangle

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



11.9987, 10.6546, 28.2122



15.1233, 10.6546, 15.8754



8.4606, 10.6546, 3.2635



6.3734, 10.6546, 8.1723

Sweetspot

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



11.9991, 10.6550, 28.2125



38.1548, 38.8861, 53.4684



18.3206, 23.9310, 28.3682



8.1836, 8.2914, 11.8413



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.



11.9991, 10.6550, 28.2125



17.8272, 14.6672, 49.8650



14.3433, 11.2832, 28.2102



5.1619, 5.3195, 6.7835



4.5003, 1.9866, 23.1233



0.0485, 0.0299, 0.2229

Inverse Universe

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



16.4150, 12.7429, 10.6117



26.8386, 19.0791, 13.9134



19.2222, 24.7645, 11.7500



5.4252, 5.4306, 5.7370



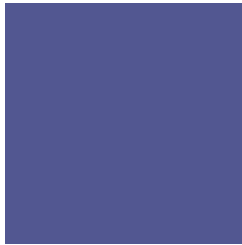
10.0747, 5.1869, 0.7785



0.0991, 0.0507, 0.0220

Previews

White Background



This preview shows how the XYZ color 11.9987, 10.6546, 28.2122 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 11.9987, 10.6546, 28.2122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

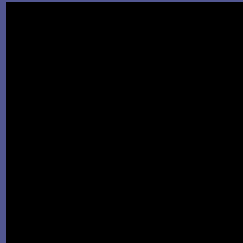
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9987, 10.6546, 28.2122

Background



This preview shows how black text looks on a background with the XYZ color 11.9987, 10.6546, 28.2122.

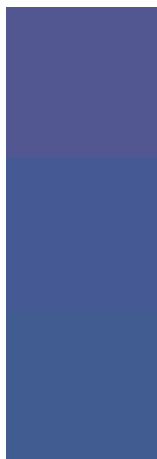


This preview shows how white text looks on a background with the XYZ color 11.9987, 10.6546,

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

11.9987, 10.6546, 28.2122

Protanopia

11.4557, 10.7157, 29.4815

Deuteranopia

10.9755, 10.7579, 27.8836



Tritanopia

9.2801, 10.7048, 14.6738

Trichromacy



Original Color

11.9987, 10.6546, 28.2122

Protanomaly

11.6629, 10.7072, 29.0558

Deuteranomaly

11.2887, 10.6655, 27.8492

Tritanomaly

10.1458, 10.6565, 18.9749

Monochromacy



Original Color

11.9987, 10.6546, 28.2122

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.5499, 10.5347, 16.5163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9987, 10.6546, 28.2122 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(82, 87, 145)` looks like.

```
.text, #text, p{  
    color:rgb(82, 87, 145)  
}
```

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(82, 87, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 87, 145) }
```

Border

The CSS property to change the border of an element to XYZ 11.9987, 10.6546, 28.2122 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(82, 87, 145) }
```


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

```
.border{ border-color:rgb(82, 87, 145) }
```

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

Here you see how a box with a 4 pixel rgb(82, 87, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 87, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 87, 145);  
box-shadow:4px 4px 4px 4px rgb(82, 87,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9987, 10.6546, 28.2122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 87, 145) }
```

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

```
.background{ background-color: rgb(82, 87,  
145) }
```

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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