

Converting Colors

XYZ(12.6573, 13.2595, 16.3602)

Have a look what the booklet for
XYZ(12.6573, 13.2595, 16.3602)
contains.

XYZ(12.6573, 13.2595, 16.3602)	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(12.6573, 13.2595,
16.3602)**

Conversions

Conversions Part 1

Format	Color
Hex	63666D
RGB	99, 102, 109
RGB Percent	39%, 40%, 43%
CMY	0.6118, 0.6000, 0.5725
CMYK	0.09, 0.06, 0.00, 0.57
HSL	222°, 5%, 41%
HSV	222°, 9%, 43%
XYZ	12.6573, 13.2595, 16.3602
YIQ	101.9010, -4.0350, 1.5410

Conversions

Conversions Part 2

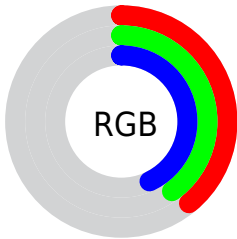
Format	Color
R _Y B	99, 101, 109
Decimal	6514285
CIE Lab	43.15, 0.37, -4.34
CIE LCh	43, 4.356, 274.837
Yxy	13.2595, 0.2994, 0.3136
Android (android.graphics.Color)	4284704365 (0xFF63666D)
YUV	101.9010, 3.4998, -2.5442
Hunter-Lab	36.4136, -1.6775, -1.1488

Details

The XYZ color **12.6573, 13.2595, 16.3602** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.7130, 14.4601, 13.8731**, and the grayscale version is **12.5957, 13.2516, 14.4310**.

A 20% lighter version of the original color is **30.3141, 31.8046, 37.7989**, and **3.6519, 3.8102, 5.1004** is the 20% darker color. If you saturate the color by 10%, you get **10.8304, 11.2558, 16.0699**, and if you desaturate by 10%, it is **14.7147, 15.4852, 16.6816**.

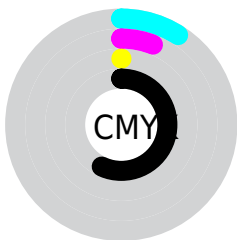
Distribution



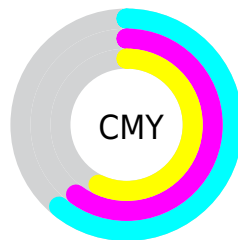
- Red (39%)
- Green (40%)
- Blue (43%)



- Red (39%)
- Yellow (40%)
- Blue (43%)



- Cyan (9%)
- Magenta (6%)
- Yellow (0%)
- Black (57%)



- Cyan (61%)
- Magenta (60%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6573, 13.2595, 16.3602 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 12.6573, 13.2595, 16.3602 by changing the saturation by 10% instead.

■ 12.6573, 13.2595,
16.3602

■ 12.6573, 13.2595,
16.3602

202.3918,
212.5741, 243.3758

■ 7.2684, 7.6075,
9.6223

■ 30.2933, 31.7692,
37.9979

■ 3.6783, 3.8448,
5.0469

■ 43.2711, 45.3957,
53.7347

■ 1.5218, 1.5871,
2.2156

■ 59.5092, 62.4491,
73.3082

■ 0.3406, 0.3489,
0.6834

■ 79.3729, 83.3139,
97.1371

■ 0.0000, 0.0000,
0.0000

103.2277,
108.3743, 125.6397

131.4389,

138.0150, 159.2346

164.3718,
172.6201, 198.3405

■ 12.6573, 13.2595,
16.3602

■ 12.6573, 13.2595,
16.3602

■ 10.8304, 11.2558,
16.0699

■ 14.7147, 15.4852,
16.6816

■ 9.2247, 9.4654,
15.8090

■ 17.0093, 17.9380,
17.0341

■ 7.8318, 7.8816,
15.5767

■ 19.5490, 20.6247,
17.4188

■ 6.6423, 6.4964,
15.3720

■ 22.3408, 23.5515,
17.8366

■ 5.6461, 5.3016,
15.1939

■ 25.3916, 26.7243,
18.2882

■ 4.8323, 4.2881,
15.0412

■ 28.7079, 30.1488,
18.7744

■ 4.1886, 3.4462,
14.9126

■ 32.2961, 33.8305,
19.2959

■ 3.7012, 2.7648,
14.8068

■ 36.1622, 37.7746,
19.8535

■ 3.3251, 2.2168,
14.7208

■ 40.3121, 41.9864,
20.4477

Harmonies

Analogous

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



12.3301, 13.2595, 16.1772



12.6573, 13.2595, 16.3602



12.9754, 13.2595, 16.0095

Triad

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



12.6573, 13.2595, 16.3602



13.1404, 13.2595, 13.4062



12.0271, 13.2595, 13.6650

Complementary

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



12.6573, 13.2595, 16.3602



13.7130, 14.4601, 13.8731

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.



12.2374, 13.2595, 12.9716



12.6573, 13.2595, 16.3602



12.8794, 13.2595, 12.8269

Square

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



12.6573, 13.2595, 16.3602



13.2574, 13.2595, 14.2819



12.5484, 13.2595, 12.6714



11.9700, 13.2595, 14.5939

Rectangle

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



12.6573, 13.2595, 16.3602



13.1382, 13.2595, 15.5291



12.5484, 13.2595, 12.6714



12.0820, 13.2595, 13.3980

Sweetspot

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



12.6577, 13.2601, 16.3605



24.8587, 26.1228, 29.6392



13.2074, 14.6273, 15.7178



5.7251, 6.0144, 6.8879



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.6577, 13.2601, 16.3605



21.9339, 22.9462, 29.1803



12.5706, 12.7852, 16.2734



3.0156, 3.1596, 3.8858



3.8356, 2.5055, 17.2037



18.8643, 11.4071, 87.4337

Inverse Universe

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



13.1671, 13.1345, 14.4122



23.0460, 22.6850, 24.9243



13.8045, 14.9745, 13.9675



3.1337, 3.1304, 3.4343



7.6829, 3.9253, 1.9587



38.8046, 19.8638, 8.1738

Previews

White Background



This preview shows how the XYZ color 12.6573, 13.2595, 16.3602 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 12.6573, 13.2595, 16.3602 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

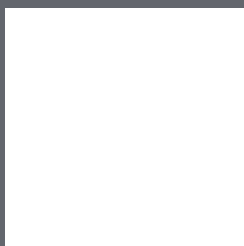
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6573, 13.2595, 16.3602

Background



This preview shows how black text looks on a background with the XYZ color 12.6573, 13.2595, 16.3602.



This preview shows how white text looks on a background with the XYZ color 12.6573, 13.2595,

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

12.6573, 13.2595, 16.3602

Protanopia

12.8935, 13.2363, 16.3433

Deuteranopia

13.4607, 13.2376, 16.5975



Tritanopia

12.7114, 13.2812, 16.6454

Trichromacy

**Original Color**

12.6573, 13.2595, 16.3602

Protanomaly

12.7808, 13.1782, 16.3380

Deuteranomaly

13.1973, 13.2434, 16.6125

Tritanomaly

12.7114, 13.2812, 16.6454

Monochromacy

**Original Color**

12.6573, 13.2595, 16.3602

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.6680, 13.2894, 15.2620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6573, 13.2595, 16.3602 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(99, 102, 109) looks like.

```
.text, #text, p{  
    color:rgb(99, 102, 109)  
}
```

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(99, 102, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 102, 109) }
```

Border

The CSS property to change the border of an element to XYZ 12.6573, 13.2595, 16.3602 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(99, 102, 109) }
```


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

```
.border{ border-color:rgb(99, 102, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 102, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 102, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 102, 109);  
box-shadow:4px 4px 4px 4px rgb(99, 102,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6573, 13.2595, 16.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 102, 109) }
```

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

```
.background{ background-color: rgb(99, 102,  
109) }
```

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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