

Converting Colors

XYZ(13.0889, 13.2564, 19.7064)

Have a look what the booklet for
XYZ(13.0889, 13.2564, 19.7064)
contains.

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Color

**XYZ(13.0808, 13.2601,
19.6393)**

Conversions

Conversions Part 1

Format	Color
Hex	626578
RGB	98, 101, 120
RGB Percent	38%, 40%, 47%
CMY	0.6157, 0.6039, 0.5294
CMYK	0.18, 0.16, 0.00, 0.53
HSL	232°, 10%, 43%
HSV	232°, 18%, 47%
XYZ	13.0808, 13.2601, 19.6393
YIQ	102.2690, -7.8870, 5.2730

Conversions

Conversions Part 2

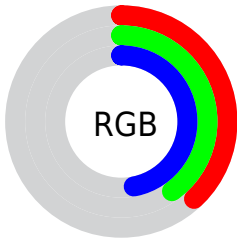
Format	Color
R_{YB}	98, 101, 120
Decimal	6448504
CIE _{Lab}	43.15, 3.18, -11.01
CIE _{LCh}	43, 11.464, 286.104
Yxy	13.2601, 0.2845, 0.2884
Android (android.graphics.Color)	4284638584 (0xFF626578)
YUV	102.2690, 8.7414, -3.7439
Hunter-Lab	36.4144, 0.3956, -6.4866

Details

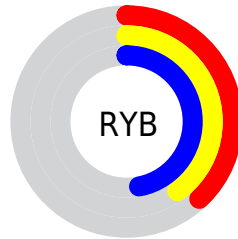
The XYZ color **13.0808, 13.2601, 19.6393** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.3116, 17.5973, 14.0923**, and the grayscale version is **12.6793, 13.3396, 14.5268**.

A 20% lighter version of the original color is **31.0691, 31.8246, 43.5350**, and **3.8541, 3.8100, 6.6632** is the 20% darker color. If you saturate the color by 10%, you get **10.9384, 10.7553, 19.2690**, and if you desaturate by 10%, it is **15.5451, 16.1199, 20.0616**.

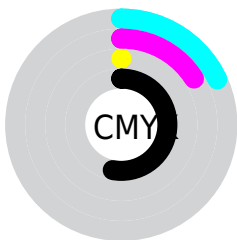
Distribution



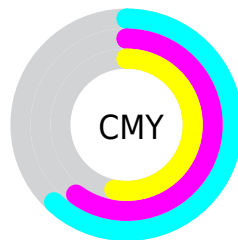
- Red (38%)
- Green (40%)
- Blue (47%)



- Red (38%)
- Yellow (40%)
- Blue (47%)



- Cyan (18%)
- Magenta (16%)
- Yellow (0%)
- Black (53%)



- Cyan (62%)
- Magenta (60%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0808, 13.2601, 19.6393 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 13.0808, 13.2601, 19.6393 by changing the saturation by 10% instead.

■ 13.0808, 13.2601,
19.6393

■ 13.0808, 13.2601,
19.6393

205.0620,
212.5780, 262.4950

■ 7.5616, 7.6079,
11.9517

■ 31.0489, 31.7703,
43.6626

■ 3.8652, 3.8451,
6.5886

■ 44.2286, 45.3970,
60.8353

■ 1.6261, 1.5873,
3.1317

■ 60.6924, 62.4508,
82.0069

■ 0.4094, 0.3490,
1.1623

■ 80.8058, 83.3159,
107.5957

■ 0.0000, 0.0000,
0.0000

104.9341,
108.3768, 138.0204

133.4427,

138.0178, 173.6995

166.6969,
172.6234, 215.0515

■ 13.0808, 13.2601,
19.6393

■ 13.0808, 13.2601,
19.6393

■ 10.9384, 10.7553,
19.2690

■ 15.5451, 16.1199,
20.0616

■ 9.1033, 8.5899,
18.9477

■ 18.3425, 19.3461,
20.5369

■ 7.5617, 6.7499,
18.6738

■ 21.4854, 22.9516,
21.0672

■ 6.2981, 5.2192,
18.4449

■ 24.9850, 26.9483,
21.6542

■ 5.2958, 3.9806,
18.2587

■ 28.8521, 31.3475,
22.2995

■ 4.5360, 3.0154,
18.1124

■ 33.0969, 36.1601,
23.0047

■ 3.9976, 2.3021,
18.0031

■ 37.7294, 41.3964,
23.7713

■ 3.6332, 1.8049,
17.9264

■ 42.7592, 47.0666,
24.6006

■ 3.5811, 1.7378,
17.9162

■ 48.1953, 53.1804,
25.4942

Harmonies

Analogous

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



12.1994, 13.2601, 19.6990



13.0808, 13.2601, 19.6393



13.8685, 13.2601, 18.0839

Triad

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



13.0808, 13.2601, 19.6393



13.8192, 13.2601, 11.2060



11.0240, 13.2601, 13.2999

Complementary

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



13.0808, 13.2601, 19.6393



16.3116, 17.5973, 14.0923

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.



11.4175, 13.2601, 11.3184



13.0808, 13.2601, 19.6393



13.0161, 13.2601, 10.2085

Square

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



13.0808, 13.2601, 19.6393



14.3083, 13.2601, 13.1291



12.1376, 13.2601, 10.2471



11.0395, 13.2601, 15.8311

Rectangle

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



13.0808, 13.2601, 19.6393



14.2225, 13.2601, 16.5015



12.1376, 13.2601, 10.2471



11.1120, 13.2601, 12.5541

Sweetspot

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



13.0812, 13.2606, 19.6396



28.8555, 30.1021, 35.5425



14.9469, 17.3071, 19.2903



6.7738, 7.0592, 8.4122



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.0812, 13.2606, 19.6396



21.3547, 21.3951, 34.2572



13.6663, 13.1374, 19.5850



3.8377, 3.9737, 5.0079



3.8997, 1.8818, 19.5430



18.2270, 8.2266, 93.0970

Inverse Universe

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



14.4626, 13.6682, 14.1885



24.2666, 22.2843, 22.7604



15.6416, 17.7794, 14.1628



4.0185, 4.0231, 4.2952



8.5517, 4.3968, 0.9303



40.6033, 20.8977, 3.4410

Previews

White Background



This preview shows how the XYZ color 13.0808, 13.2601, 19.6393 looks on a white background.

Color Contrast Check

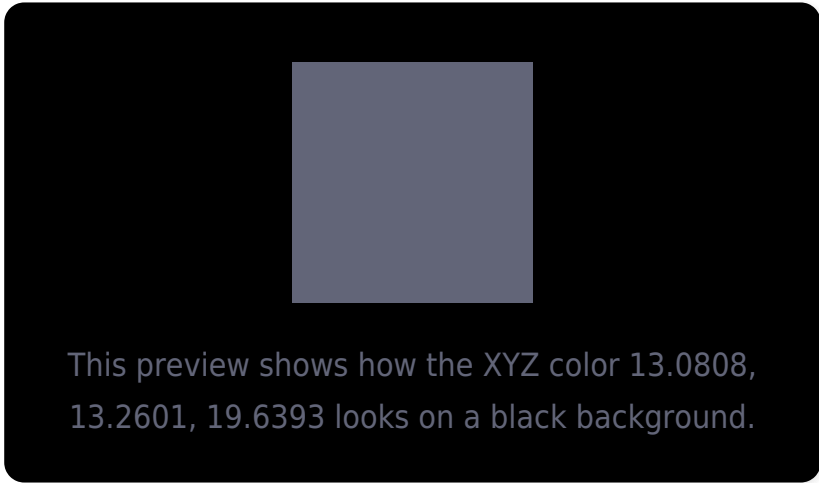
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

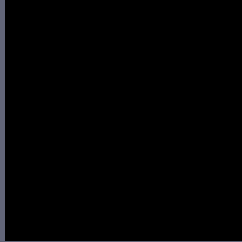
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

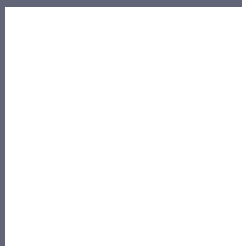
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0808, 13.2601, 19.6393

Background



This preview shows how black text looks on a background with the XYZ color 13.0808, 13.2601, 19.6393.

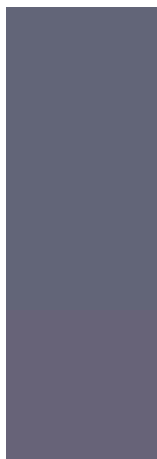


This preview shows how white text looks on a background with the XYZ color 13.0808, 13.2601,

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

13.0808, 13.2601, 19.6393

Protanopia

13.0808, 13.2601, 19.6393

Deuteranopia

13.4455, 13.1633, 19.6014



Tritanopia

12.5434, 13.3350, 16.9517

Trichromacy



Original Color

13.0808, 13.2601, 19.6393

Protanomaly

13.0808, 13.2601, 19.6393

Deuteranomaly

13.3142, 13.2371, 19.6226

Tritanomaly

12.7184, 13.2590, 17.8085

Monochromacy



Original Color

13.0808, 13.2601, 19.6393

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.8785, 13.3736, 16.3706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0808, 13.2601, 19.6393 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(98, 101, 120) looks like.

```
.text, #text, p{  
    color:rgb(98, 101, 120)  
}
```

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(98, 101, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 101, 120) }
```

Border

The CSS property to change the border of an element to XYZ 13.0808, 13.2601, 19.6393 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(98, 101, 120) }
```


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

```
.border{ border-color:rgb(98, 101, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 101, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 101, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 101, 120);  
box-shadow:4px 4px 4px 4px rgb(98, 101,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0808, 13.2601, 19.6393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 101, 120) }
```

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

```
.background{ background-color: rgb(98, 101,  
120) }
```

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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