

Converting Colors

XYZ(18.5897, 20.9186, 23.7910)

Have a look what the booklet for
XYZ(18.5897, 20.9186, 23.7910)
contains.

XYZ(18.6272, 20.9950, 23.8396)	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(18.6272, 20.9950,
23.8396)**

Conversions

Conversions Part 1

Format	Color
Hex	708281
RGB	112, 130, 129
RGB Percent	44%, 51%, 51%
CMY	0.5608, 0.4902, 0.4941
CMYK	0.14, 0.00, 0.01, 0.49
HSL	177°, 7%, 47%
HSV	177°, 14%, 51%
XYZ	18.6272, 20.9950, 23.8396
YIQ	124.5040, -10.4070, -4.1270

Conversions

Conversions Part 2

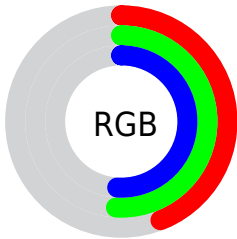
Format	Color
R_{YB}	112, 121, 130
Decimal	7373441
CIE _{Lab}	52.94, -6.74, -1.67
CIE _{LCh}	53, 6.948, 193.943
Yxy	20.9950, 0.2935, 0.3308
Android (android.graphics.Color)	4285563521 (0xFF708281)
YUV	124.5040, 2.2165, -10.9660
Hunter-Lab	45.8203, -7.6204, 1.2265

Details

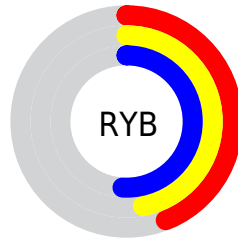
The XYZ color **18.6272, 20.9950, 23.8396** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.9815, 17.5270, 18.0591**, and the grayscale version is **19.3223, 20.3286, 22.1378**.

A 20% lighter version of the original color is **40.6868, 45.1369, 50.8238**, and **6.5047, 7.5540, 8.7047** is the 20% darker color. If you saturate the color by 10%, you get **17.0433, 20.1846, 23.5157**, and if you desaturate by 10%, it is **20.4515, 21.9305, 24.1774**.

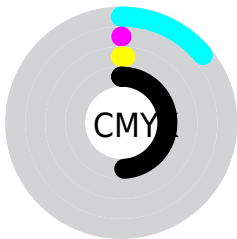
Distribution



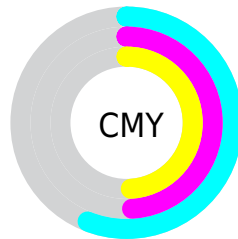
- Red (44%)
- Green (51%)
- Blue (51%)



- Red (44%)
- Yellow (47%)
- Blue (51%)



- Cyan (14%)
- Magenta (0%)
- Yellow (1%)
- Black (49%)



- Cyan (56%)
- Magenta (49%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6272, 20.9950, 23.8396 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 18.6272, 20.9950, 23.8396 by changing the saturation by 10% instead.

■ 18.6272, 20.9950,
23.8396

■ 18.6272, 20.9950,
23.8396

237.3607,
257.2519, 285.2689

■ 11.5036, 13.1203,
15.0036

■ 40.6250, 45.0792,
50.7089

■ 6.4764, 7.5115,
8.6752

■ 56.2298, 62.0576,
69.5792

■ 3.1803, 3.7840,
4.4361

■ 75.3926, 82.8393,
92.6314

■ 1.2498, 1.5535,
1.8675

■ 98.4784, 107.8087,
120.2839

■ 0.1452, 0.3259,
0.4719

125.8528,
137.3503, 152.9554

■ 0.0000, 0.0000,
0.0000

157.8811,

171.8485, 191.0644

194.9286,
211.6875, 235.0294

■ 18.6272, 20.9950,
23.8396

■ 18.6272, 20.9950,
23.8396

■ 17.0433, 20.1846,
23.5157

■ 20.4515, 21.9305,
24.1774

■ 15.6878, 19.4913,
23.2039

■ 22.5240, 22.9932,
24.5281

■ 14.5504, 18.9104,
22.9040

■ 24.8543, 24.1889,
24.8927

■ 13.6193, 18.4358,
22.6156

■ 27.4511, 25.5219,
25.2715

■ 12.8815, 18.0609,
22.3379

■ 30.3224, 26.9964,
25.6650

■ 12.3227, 17.7781,
22.0704

■ 33.4763, 28.6165,
26.0735

■ 11.9263, 17.5791,
21.8123

■ 36.9202, 30.3861,
26.4974

■ 11.6717, 17.4531,
21.5625

■ 40.6613, 32.3089,
26.9370

■ 11.5437, 17.3903,
21.4111

■ 44.7067, 34.3884,
27.3927

Harmonies

Analogous

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



18.6400, 20.9950, 21.7690



18.6272, 20.9950, 23.8396



18.9641, 20.9950, 25.7562

Triad

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



18.6272, 20.9950, 23.8396



20.9423, 20.9950, 25.8696



20.3448, 20.9950, 19.2199

Complementary

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



18.6272, 20.9950, 23.8396



17.9815, 17.5270, 18.0591

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.



20.9800, 20.9950, 20.1894



18.6272, 20.9950, 23.8396



21.3307, 20.9950, 23.9868

Square

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



18.6272, 20.9950, 23.8396



20.2943, 20.9950, 26.9756



21.3447, 20.9950, 21.9076



19.6197, 20.9950, 19.1859

Rectangle

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



18.6272, 20.9950, 23.8396



19.3465, 20.9950, 26.6537



21.3447, 20.9950, 21.9076



20.5763, 20.9950, 19.4445

Sweetspot

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



18.6278, 20.9959, 23.8401



35.9317, 38.5768, 42.5616



17.7437, 20.6600, 18.3822



8.0823, 8.7057, 9.6246



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.6278, 20.9959, 23.8401



31.7690, 36.4439, 41.7777



17.6961, 19.0254, 23.8597



4.4364, 4.8829, 5.4694



11.0689, 16.6741, 20.5333



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.9815, 17.5270, 18.0591



30.3738, 28.9547, 29.2971



18.8238, 19.3013, 18.0630



4.3367, 4.3478, 4.5777



8.8659, 4.5661, 0.6178



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.6272, 20.9950, 23.8396 looks on a white background.

Color Contrast Check

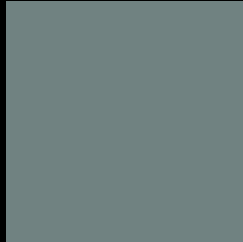
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 18.6272, 20.9950, 23.8396 looks on a black 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

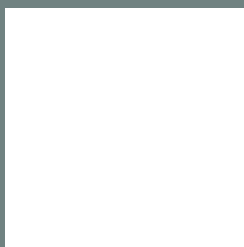
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6272, 20.9950, 23.8396

Background



This preview shows how black text looks on a background with the XYZ color 18.6272, 20.9950, 23.8396.



This preview shows how white text looks on a background with the XYZ color 18.6272, 20.9950,

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

18.6272, 20.9950, 23.8396

Protanopia

20.1288, 21.0173, 22.7345

Deuteranopia

21.2096, 20.7920, 24.3681



Tritanopia

19.4499, 21.1420, 27.4818

Trichromacy



Original Color

18.6272, 20.9950, 23.8396

Protanomaly

19.4462, 20.8486, 23.0779

Deuteranomaly

20.1153, 20.7910, 24.0720

Tritanomaly

19.0335, 20.9605, 25.9643

Monochromacy



Original Color

18.6272, 20.9950, 23.8396

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.1010, 20.6782, 22.7232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6272, 20.9950, 23.8396 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(112, 130, 129)` looks like.

```
.text, #text, p{  
    color:rgb(112, 130, 129)  
}
```

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(112, 130, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 130, 129) }
```

Border

The CSS property to change the border of an element to XYZ 18.6272, 20.9950, 23.8396 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(112, 130, 129) }
```


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

```
.border{ border-color:rgb(112, 130, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 130, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 130, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 130, 129); box-shadow:4px 4px 4px 4px rgb(112, 130, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6272, 20.9950, 23.8396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 130, 129) }
```

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

```
.background{ background-color: rgb(112,  
130, 129) }
```

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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