

Converting Colors

XYZ(12.5191, 13.4583, 18.8913)

Have a look what the booklet for
XYZ(12.5191, 13.4583, 18.8913)
contains.

XYZ(12.4756, 13.4091, 18.7603)	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(12.4756, 13.4091,
18.7603)**

Conversions

Conversions Part 1

Format	Color
Hex	5B6875
RGB	91, 104, 117
RGB Percent	36%, 41%, 46%
CMY	0.6431, 0.5921, 0.5412
CMYK	0.22, 0.11, 0.00, 0.54
HSL	210°, 12%, 41%
HSV	210°, 22%, 46%
XYZ	12.4756, 13.4091, 18.7603
YIQ	101.5950, -11.9210, 1.2870

Conversions

Conversions Part 2

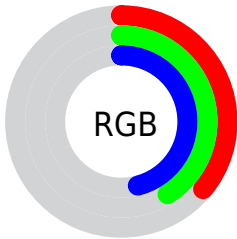
Format	Color
R_{YB}	91, 100, 117
Decimal	5990517
CIE Lab	43.37, -1.82, -8.92
CIE LCh	43, 9.105, 258.497
Yxy	13.4091, 0.2794, 0.3003
Android (android.graphics.Color)	4284180597 (0xFF5B6875)
YUV	101.5950, 7.5947, -9.2918
Hunter-Lab	36.6184, -3.2688, -4.7425

Details

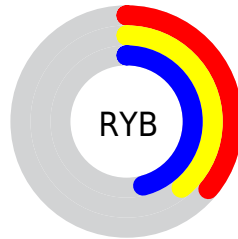
The XYZ color **12.4756, 13.4091, 18.7603** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.1750, 14.4380, 11.9377**, and the grayscale version is **12.5072, 13.1585, 14.3296**.

A 20% lighter version of the original color is **30.0381, 32.0580, 42.1408**, and **3.6195, 3.9138, 6.1949** is the 20% darker color. If you saturate the color by 10%, you get **10.8425, 11.7235, 18.5212**, and if you desaturate by 10%, it is **14.3302, 15.2702, 19.0220**.

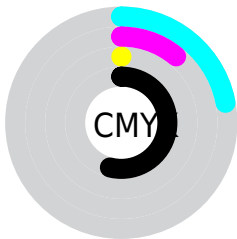
Distribution



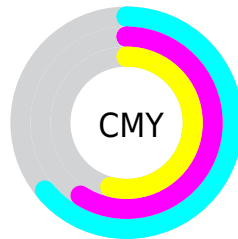
- Red (36%)
- Green (41%)
- Blue (46%)



- Red (36%)
- Yellow (39%)
- Blue (46%)



- Cyan (22%)
- Magenta (11%)
- Yellow (0%)
- Black (54%)



- Cyan (64%)
- Magenta (59%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4756, 13.4091, 18.7603 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 12.4756, 13.4091, 18.7603 by changing the saturation by 10% instead.

■ 12.4756, 13.4091,
18.7603

■ 12.4756, 13.4091,
18.7603

201.2352,
213.5232, 257.5007

■ 7.1429, 7.7109,
11.3221

■ 29.9678, 32.0368,
42.1600

■ 3.5988, 3.9105,
6.1671

■ 42.8581, 45.7351,
58.9585

■ 1.4778, 1.6236,
2.8765

■ 58.9982, 62.8688,
79.7144

■ 0.3106, 0.3734,
1.0319

■ 78.7537, 83.8224,
104.8459

■ 0.0000, 0.0000,
0.0000

102.4897,
108.9802, 134.7718

130.5718,

138.7267, 169.9106

163.3652,
173.4462, 210.6807

■ 12.4756, 13.4091,
18.7603

■ 12.4756, 13.4091,
18.7603

■ 10.8425, 11.7235,
18.5212

■ 14.3302, 15.2702,
19.0220

■ 9.4206, 10.2059,
18.3033

■ 16.4138, 17.3108,
19.3061

■ 8.2004, 8.8504,
18.1059

■ 18.7347, 19.5368,
19.6134

■ 7.1713, 7.6504,
17.9285

■ 21.3007, 21.9532,
19.9446

■ 6.3217, 6.5983,
17.7703

■ 24.1190, 24.5650,
20.3001

■ 5.6382, 5.6861,
17.6302

■ 27.1968, 27.3767,
20.6806

■ 5.1054, 4.9041,
17.5073

■ 30.5406, 30.3929,
21.0866

■ 4.7495, 4.3615,
17.4214

■ 34.1571, 33.6180,
21.5185

■ 38.0523, 37.0561,
21.9768

Harmonies

Analogous

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



11.8646, 13.4091, 17.7167



12.4756, 13.4091, 18.7603



13.1814, 13.4091, 18.6153

Triad

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



12.4756, 13.4091, 18.7603



14.0790, 13.4091, 13.3988



11.7531, 13.4091, 12.1678

Complementary

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



12.4756, 13.4091, 18.7603



14.1750, 14.4380, 11.9377

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.



12.3182, 13.4091, 11.2085



12.4756, 13.4091, 18.7603



13.6678, 13.4091, 11.8725

Square

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



12.4756, 13.4091, 18.7603



14.1250, 13.4091, 15.3910



13.0181, 13.4091, 11.1057



11.4579, 13.4091, 13.8370

Rectangle

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



12.4756, 13.4091, 18.7603



13.6106, 13.4091, 17.8665



13.0181, 13.4091, 11.1057



11.9168, 13.4091, 11.7585

Sweetspot

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



12.4760, 13.4096, 18.7606



27.4893, 29.1451, 34.3137



13.1527, 15.9377, 15.3650



6.2868, 6.6682, 7.8847



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.4760, 13.4096, 18.7606



20.6908, 22.3209, 33.3548



11.3039, 11.0654, 18.3699



3.6378, 3.8643, 4.6444



5.2173, 4.7744, 19.1891



24.5679, 21.5523, 93.2254

Inverse Universe

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



13.5762, 12.2640, 14.7489



23.0855, 19.9678, 24.5917



15.5356, 17.1593, 12.3912



3.7532, 3.7286, 4.2271



8.9306, 4.5060, 4.8427



43.0875, 21.7851, 21.3218

Previews

White Background



This preview shows how the XYZ color 12.4756, 13.4091, 18.7603 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

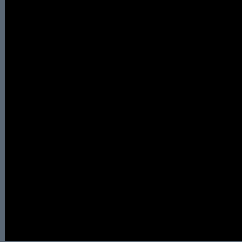
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

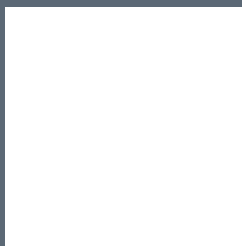
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4756, 13.4091, 18.7603

Background



This preview shows how black text looks on a background with the XYZ color 12.4756, 13.4091, 18.7603.



This preview shows how white text looks on a background with the XYZ color 12.4756, 13.4091,

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

12.4756, 13.4091, 18.7603

Protanopia

13.1014, 13.4499, 18.1252

Deuteranopia

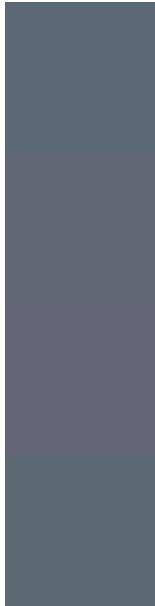
13.6529, 13.4256, 19.0114



Tritanopia

12.2487, 13.4691, 17.5770

Trichromacy



Original Color

12.4756, 13.4091, 18.7603

Protanomaly

12.9324, 13.5028, 18.4477

Deuteranomaly

13.1792, 13.3247, 19.0168

Tritanomaly

12.3053, 13.4917, 17.8752

Monochromacy



Original Color

12.4756, 13.4091, 18.7603

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5411, 13.3587, 15.8274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4756, 13.4091, 18.7603 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(91, 104, 117) looks like.

```
.text, #text, p{  
    color:rgb(91, 104, 117)  
}
```

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(91, 104, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 104, 117) }
```

Border

The CSS property to change the border of an element to XYZ 12.4756, 13.4091, 18.7603 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(91, 104, 117) }
```


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

```
.border{ border-color:rgb(91, 104, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 104, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 104, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 104, 117);  
box-shadow:4px 4px 4px 4px rgb(91, 104,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4756, 13.4091, 18.7603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 104, 117) }
```

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

```
.background{ background-color: rgb(91, 104,  
117) }
```

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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