

Converting Colors

XYZ(18.8207, 23.4083, 35.4247)

Have a look what the booklet for
XYZ(18.8207, 23.4083, 35.4247)
contains.

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Color

**XYZ(18.8194, 23.3581,
35.4150)**

Conversions

Conversions Part 1

Format	Color
Hex	4D8E9D
RGB	77, 142, 157
RGB Percent	30%, 56%, 62%
CMY	0.6980, 0.4431, 0.3843
CMYK	0.51, 0.10, 0.00, 0.38
HSL	191°, 34%, 46%
HSV	191°, 51%, 62%
XYZ	18.8194, 23.3581, 35.4150
YIQ	124.2750, -43.5550, -9.1150

Conversions

Conversions Part 2

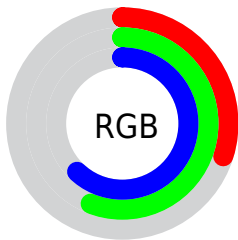
Format	Color
RYB	77, 113, 157
Decimal	5082781
CIELab	55.44, -16.50, -14.37
CIElCh	55, 21.884, 221.050
Yxy	23.3581, 0.2425, 0.3010
Android (android.graphics.Color)	4283272861 (0xFF4D8E9D)
YUV	124.2750, 16.1334, -41.4602
Hunter-Lab	48.3302, -15.0714, -9.6149

Details

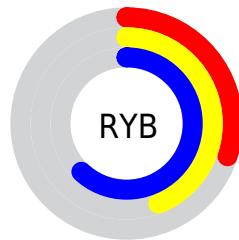
The XYZ color **18.8194, 23.3581, 35.4150** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.0719, 15.3589, 8.9813**, and the grayscale version is **19.2088, 20.2092, 22.0078**.

A 20% lighter version of the original color is **40.9837, 49.0586, 69.5965**, and **6.6257, 8.7965, 14.9843** is the 20% darker color. If you saturate the color by 10%, you get **17.2702, 21.9184, 35.2192**, and if you desaturate by 10%, it is **20.6873, 24.9804, 35.6301**.

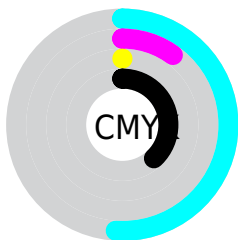
Distribution



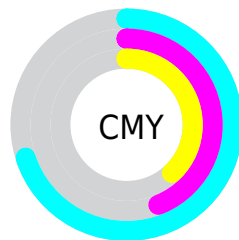
- Red (30%)
- Green (56%)
- Blue (62%)



- Red (30%)
- Yellow (44%)
- Blue (62%)



- Cyan (51%)
- Magenta (10%)
- Yellow (0%)
- Black (38%)



- Cyan (70%)
- Magenta (44%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8194, 23.3581, 35.4150 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 18.8194, 23.3581, 35.4150 by changing the saturation by 10% instead.

■ 18.8194, 23.3581,
35.4150

■ 18.8194, 23.3581,
35.4150

238.4072,
269.5590, 341.3561

■ 11.6431, 14.8581,
23.6966

■ 40.9479, 48.9807,
69.2870

■ 6.5716, 8.7199,
14.8986

■ 56.6309, 66.8721,
92.2777

■ 3.2396, 4.5589,
8.6024

■ 75.8801, 88.6627,
119.8630

■ 1.2817, 1.9909,
4.3895

■ 99.0609, 114.7371,
152.4613

■ 0.1695, 0.6022,
1.8414

■ 126.5386,
145.4795, 190.4912

■ 0.0000, 0.0000,
0.4550

158.6787,

■ 0.0000, 0.0000,

181.2743, 234.3713

0.0000

195.8464,
222.5060, 284.5201

■ 18.8194, 23.3581,
35.4150

■ 18.8194, 23.3581,
35.4150

■ 17.2702, 21.9184,
35.2192

■ 20.6873, 24.9804,
35.6301

■ 16.0152, 20.6468,
35.0399

■ 22.8921, 26.7931,
35.8638

■ 15.0295, 19.5310,
34.8765

■ 25.4529, 28.8068,
36.1175

■ 14.2831, 18.5553,
34.7275

■ 28.3870, 31.0304,
36.3921

■ 13.7484, 17.7594,
34.6020

■ 31.7102, 33.4724,
36.6883

■ 35.4378, 36.1406,
37.0068

■ 39.5838, 39.0424,
37.3484

■ 44.1618, 42.1851,
37.7137

■ 49.1848, 45.5752,
38.1033

Harmonies

Analogous

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



17.8720, 23.3581, 28.1209



18.8194, 23.3581, 35.4150



20.6992, 23.3581, 40.5300

Triad

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



18.8194, 23.3581, 35.4150



26.9858, 23.3581, 30.0941



21.3062, 23.3581, 14.3132

Complementary

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



18.8194, 23.3581, 35.4150



19.0719, 15.3589, 8.9813

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.



23.7741, 23.3581, 14.6452



18.8194, 23.3581, 35.4150



27.1785, 23.3581, 22.9221

Square

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



18.8194, 23.3581, 35.4150



25.4571, 23.3581, 37.0873



25.9656, 23.3581, 17.5286



19.2354, 23.3581, 16.5184

Rectangle

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



18.8194, 23.3581, 35.4150



22.2881, 23.3581, 41.5375



25.9656, 23.3581, 17.5286



22.1145, 23.3581, 14.1441

Sweetspot

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



18.8201, 23.3590, 35.4156



48.4755, 53.7979, 64.9559



17.0354, 26.4592, 14.2591



10.4423, 11.6676, 14.2721



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.8201, 23.3590, 35.4156



30.6269, 38.9591, 63.0324



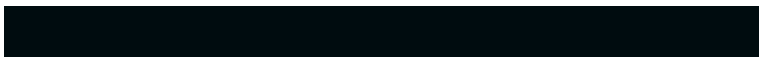
13.9313, 13.5813, 33.7859



6.7161, 7.2979, 8.4613



11.1912, 14.4739, 28.1111



0.2251, 0.3089, 0.5110

Inverse Universe

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



21.4416, 14.4296, 27.2472



36.0449, 21.8331, 45.8524



23.4509, 24.1169, 10.4410



6.8508, 6.7332, 8.0653



14.4470, 7.0834, 17.1368



0.2710, 0.1317, 0.3730

Previews

White Background



This preview shows how the XYZ color 18.8194, 23.3581, 35.4150 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 18.8194, 23.3581, 35.4150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

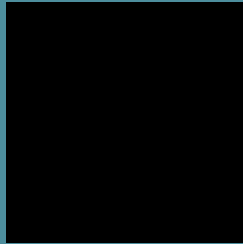
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8194, 23.3581, 35.4150

Background



This preview shows how black text looks on a background with the XYZ color 18.8194, 23.3581, 35.4150.



This preview shows how white text looks on a background with the XYZ color 18.8194, 23.3581,

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

18.8194, 23.3581, 35.4150

Protanopia

22.6746, 23.1017, 32.1182

Deuteranopia

23.5555, 23.0639, 36.4680



Tritanopia

18.4862, 23.2156, 34.0786

Trichromacy



Original Color

18.8194, 23.3581, 35.4150

Protanomaly

20.8441, 22.9429, 33.4668

Deuteranomaly

21.3387, 22.9329, 36.1027

Tritanomaly

18.5699, 23.2491, 34.5191

Monochromacy



Original Color

18.8194, 23.3581, 35.4150

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.6236, 21.1360, 26.3906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8194, 23.3581, 35.4150 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(77, 142, 157)` looks like.

```
.text, #text, p{  
    color:rgb(77, 142, 157)  
}
```

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(77, 142, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 142, 157) }
```

Border

The CSS property to change the border of an element to XYZ 18.8194, 23.3581, 35.4150 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(77, 142, 157) }
```


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

```
.border{ border-color:rgb(77, 142, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 142, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 142, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 142, 157);  
box-shadow:4px 4px 4px 4px rgb(77, 142,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8194, 23.3581, 35.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 142, 157) }
```

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

```
.background{ background-color: rgb(77, 142,  
157) }
```

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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