

Converting Colors

XYZ(18.6812, 23.0640, 35.3287)

Have a look what the booklet for
XYZ(18.6812, 23.0640, 35.3287)
contains.

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Color

**XYZ(18.6712, 23.0619,
35.3656)**

Conversions

Conversions Part 1

Format	Color
Hex	4D8D9D
RGB	77, 141, 157
RGB Percent	30%, 55%, 62%
CMY	0.6980, 0.4470, 0.3843
CMYK	0.51, 0.10, 0.00, 0.38
HSL	192°, 34%, 46%
HSV	192°, 51%, 62%
XYZ	18.6712, 23.0619, 35.3656
YIQ	123.6880, -43.2800, -8.5920

Conversions

Conversions Part 2

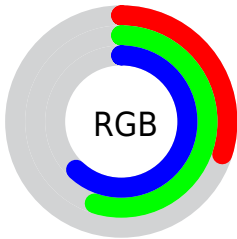
Format	Color
RYB	77, 113, 157
Decimal	5082525
CIELab	55.14, -15.96, -14.83
CIELCh	55, 21.790, 222.893
Yxy	23.0619, 0.2422, 0.2991
Android (android.graphics.Color)	4283272605 (0xFF4D8D9D)
YUV	123.6880, 16.4228, -40.9454
Hunter-Lab	48.0228, -14.6394, -10.0472

Details

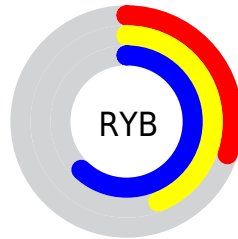
The XYZ color **18.6712, 23.0619, 35.3656** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.1589, 15.5329, 9.0100**, and the grayscale version is **19.0125, 20.0026, 21.7828**.

A 20% lighter version of the original color is **40.7588, 48.6090, 69.5216**, and **6.5396, 8.6243, 14.9557** is the 20% darker color. If you saturate the color by 10%, you get **17.0978, 21.5737, 35.1617**, and if you desaturate by 10%, it is **20.5649, 24.7357, 35.5893**.

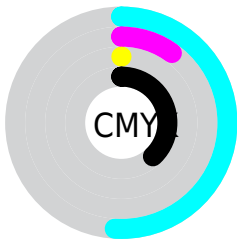
Distribution



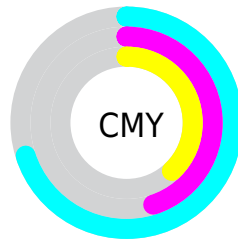
- Red (30%)
- Green (55%)
- Blue (62%)



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



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



- Cyan (70%)
- Magenta (45%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6712, 23.0619, 35.3656 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 18.6712, 23.0619, 35.3656 by changing the saturation by 10% instead.

■ 18.6712, 23.0619,
35.3656

■ 18.6712, 23.0619,
35.3656

237.6006,
268.0428, 341.1323

■ 11.5355, 14.6392,
23.6588

■ 40.6989, 48.4949,
69.2097

■ 6.4982, 8.5666,
14.8709

■ 56.3217, 66.2741,
92.1842

■ 3.1938, 4.4596,
8.5832

■ 75.5043, 87.9409,
119.7516

■ 1.2571, 1.9338,
4.3773

■ 98.6119, 113.8797,
152.3306

■ 0.1507, 0.5686,
1.8345

■ 126.0100,
144.4748, 190.3396

■ 0.0000, 0.0000,
0.4506

158.0639,

■ 0.0000, 0.0000,

180.1108, 234.1972

0.0000

195.1390,
221.1720, 284.3219

■ 18.6712, 23.0619,
35.3656

■ 18.6712, 23.0619,
35.3656

■ 17.0978, 21.5737,
35.1617

■ 20.5649, 24.7357,
35.5893

■ 15.8202, 20.2568,
34.9748

■ 22.7970, 26.6031,
35.8321

■ 14.8133, 19.0987,
34.8044

■ 25.3867, 28.6747,
36.0954

■ 14.0473, 18.0837,
34.6488

■ 28.3513, 30.9594,
36.3802

■ 13.4961, 17.2549,
34.5179

■ 31.7067, 33.4658,
36.6871

■ 35.4680, 36.2017,
37.0170

■ 39.6495, 39.1745,
37.3704

■ 44.2647, 42.3915,
37.7481

■ 49.3266, 45.8595,
38.1507

Harmonies

Analogous

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



17.6727, 23.0619, 28.2168



18.6712, 23.0619, 35.3656



20.5736, 23.0619, 40.1966

Triad

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



18.6712, 23.0619, 35.3656



26.6962, 23.0619, 29.2565



20.8933, 23.0619, 14.1934

Complementary

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



18.6712, 23.0619, 35.3656



19.1589, 15.5329, 9.0100

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.



23.3232, 23.0619, 14.3682



18.6712, 23.0619, 35.3656



26.7977, 23.0619, 22.2410

Square

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



18.6712, 23.0619, 35.3656



25.2566, 23.0619, 36.2469



25.5246, 23.0619, 17.0584



18.8903, 23.0619, 16.5264

Rectangle

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



18.6712, 23.0619, 35.3656



22.1564, 23.0619, 40.9887



25.5246, 23.0619, 17.0584



21.6846, 23.0619, 13.9756

Sweetspot

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



18.6719, 23.0628, 35.3661



48.3880, 53.6231, 64.9267



17.0352, 26.4591, 14.2588



10.4208, 11.6245, 14.2649



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.



18.6719, 23.0628, 35.3661



30.3133, 38.3320, 62.9279



13.9310, 13.5810, 33.7859



6.7091, 7.2840, 8.4590



10.9875, 14.0665, 28.0432



0.2228, 0.3042, 0.5102

Inverse Universe

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



21.3668, 14.3995, 26.8536



35.8866, 21.7698, 45.0190



23.4508, 24.1167, 10.4406



6.8473, 6.7318, 8.0468



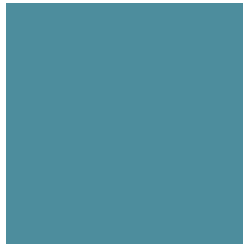
14.3442, 7.0422, 16.5953



0.2698, 0.1312, 0.3667

Previews

White Background



This preview shows how the XYZ color 18.6712, 23.0619, 35.3656 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 18.6712, 23.0619, 35.3656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

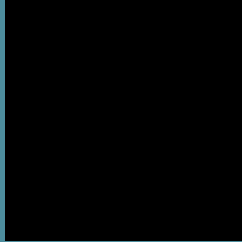
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6712, 23.0619, 35.3656

Background



This preview shows how black text looks on a background with the XYZ color 18.6712, 23.0619, 35.3656.



This preview shows how white text looks on a background with the XYZ color 18.6712, 23.0619,

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

18.6712, 23.0619, 35.3656

Protanopia

22.3897, 22.7565, 32.0665

Deuteranopia

23.4013, 22.9844, 36.4608



Tritanopia

18.4033, 23.1824, 33.6417

Trichromacy



Original Color

18.6712, 23.0619, 35.3656

Protanomaly

20.5815, 22.6013, 33.4147

Deuteranomaly

21.2011, 22.6578, 36.0569

Tritanomaly

18.4862, 23.2156, 34.0786

Monochromacy



Original Color

18.6712, 23.0619, 35.3656

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.4900, 20.8686, 26.3461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6712, 23.0619, 35.3656 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, 141, 157)` looks like.

```
.text, #text, p{  
  color:rgb(77, 141, 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, 141, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 141, 157) }
```

Border

The CSS property to change the border of an element to XYZ 18.6712, 23.0619, 35.3656 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, 141, 157) }
```


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

```
.border{ border-color:rgb(77, 141, 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, 141, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 141, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 141, 157);  
box-shadow:4px 4px 4px 4px rgb(77, 141,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6712, 23.0619, 35.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 141, 157) }
```

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

```
.background{ background-color: rgb(77, 141,  
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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