

Converting Colors

XYZ(12.6527, 18.0153, 19.0301)

Have a look what the booklet for
XYZ(12.6527, 18.0153, 19.0301)
contains.

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Color

**XYZ(12.6527, 18.0153,
19.0301)**

Conversions

Conversions Part 1

Format	Color
Hex	378273
RGB	55, 130, 115
RGB Percent	22%, 51%, 45%
CMY	0.7843, 0.4902, 0.5490
CMYK	0.58, 0.00, 0.12, 0.49
HSL	168°, 41%, 36%
HSV	168°, 58%, 51%
XYZ	12.6527, 18.0153, 19.0301
YIQ	105.8650, -39.8850, -20.5650

Conversions

Conversions Part 2

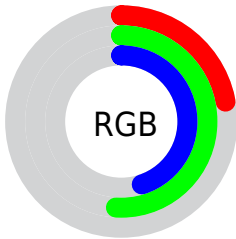
Format	Color
RYB	55, 97, 130
Decimal	3637875
CIELab	49.51, -27.09, 1.14
CIElCh	50, 27.114, 177.600
Yxy	18.0153, 0.2546, 0.3625
Android (android.graphics.Color)	4281827955 (0xFF378273)
YUV	105.8650, 4.5036, -44.6086
Hunter-Lab	42.4444, -21.0669, 3.1282

Details

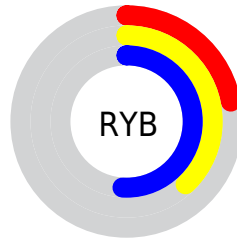
The XYZ color **12.6527, 18.0153, 19.0301** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.6782, 7.9209, 6.7084**, and the grayscale version is **13.6590, 14.3703, 15.6493**.

A 20% lighter version of the original color is **30.2152, 39.9082, 42.6698**, and **3.8818, 6.1426, 6.2912** is the 20% darker color. If you saturate the color by 10%, you get **11.8849, 17.6370, 18.2244**, and if you desaturate by 10%, it is **13.6134, 18.4935, 19.8677**.

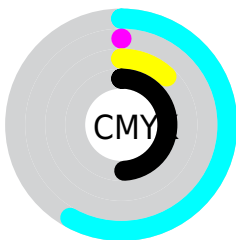
Distribution



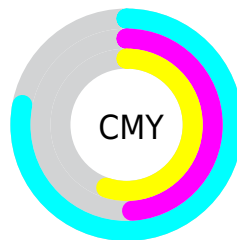
- Red (22%)
- Green (51%)
- Blue (45%)



- Red (22%)
- Yellow (38%)
- Blue (51%)



- Cyan (58%)
- Magenta (0%)
- Yellow (12%)
- Black (49%)



- Cyan (78%)
- Magenta (49%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6527, 18.0153, 19.0301 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 12.6527, 18.0153, 19.0301 by changing the saturation by 10% instead.

■ 12.6527, 18.0153,
19.0301

■ 12.6527, 18.0153,
19.0301

■ 202.3626,
240.9573, 259.0431

■ 7.2652, 10.9610,
11.5150

■ 30.2851, 40.0634,
42.6223

■ 3.6763, 6.0406,
6.2958

■ 43.2606, 55.8260,
59.5365

■ 1.5207, 2.8698,
2.9541

■ 59.4962, 75.2600,
80.4209

■ 0.3398, 1.0641,
1.0713

■ 79.3573, 98.7501,
105.6938

■ 0.0000, 0.0000,
0.0000

■ 103.2091,
126.6804, 135.7740

■ 131.4170,

159.4354, 171.0799

164.3464,
197.3996, 212.0301

■ 12.6527, 18.0153,
19.0301

■ 12.6527, 18.0153,
19.0301

■ 11.8849, 17.6370,
18.2244

■ 13.6134, 18.4935,
19.8677

■ 11.2933, 17.3486,
17.4484

■ 14.7790, 19.0763,
20.7367

■ 10.8611, 17.1418,
16.7015

■ 16.1621, 19.7708,
21.6383

■ 10.5498, 16.9970,
15.9818

■ 17.7742, 20.5829,
22.5731

■ 10.4816, 16.9653,
15.8188

■ 19.6257, 21.5178,
23.5419

■ 21.7263, 22.5807,
24.5452

■ 24.0855, 23.7763,
25.5838

■ 26.7119, 25.1093,
26.6580

■ 29.6140, 26.5838,
27.7686

Harmonies

Analogous

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



13.2870, 18.0153, 12.9786



12.6527, 18.0153, 19.0301



13.1134, 18.0153, 26.9148

Triad

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



12.6527, 18.0153, 19.0301



19.5113, 18.0153, 34.9854



19.9041, 18.0153, 9.9428

Complementary

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



12.6527, 18.0153, 19.0301



11.6782, 7.9209, 6.7084

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.



21.8764, 18.0153, 13.7720



12.6527, 18.0153, 19.0301



21.6342, 18.0153, 28.1996

Square

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



12.6527, 18.0153, 19.0301



16.9173, 18.0153, 37.3842



22.5388, 18.0153, 20.2130



17.3303, 18.0153, 8.6166

Rectangle

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



12.6527, 18.0153, 19.0301



14.0079, 18.0153, 32.0051



22.5388, 18.0153, 20.2130



20.6688, 18.0153, 10.9242

Sweetspot

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



12.6532, 18.0160, 19.0305



31.3940, 36.2938, 39.8029



11.2897, 17.5909, 6.4151



6.9958, 8.1594, 8.9483



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.



12.6532, 18.0160, 19.0305



20.5996, 30.8974, 31.6955



11.0474, 13.3086, 23.1065



4.4107, 4.8726, 5.3341



10.0523, 16.2675, 15.1799



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.6782, 7.9209, 6.7084



18.7319, 11.3428, 7.9308



12.4978, 10.2256, 4.9298



4.3602, 4.3572, 4.7015



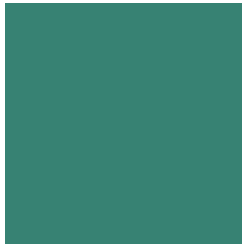
9.0080, 4.6229, 1.3659



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.6527, 18.0153, 19.0301 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



This preview shows how the XYZ color 12.6527, 18.0153, 19.0301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

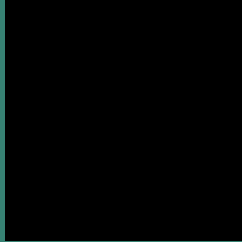
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.6527, 18.0153, 19.0301

Background



This preview shows how black text looks on a background with the XYZ color 12.6527, 18.0153, 19.0301.

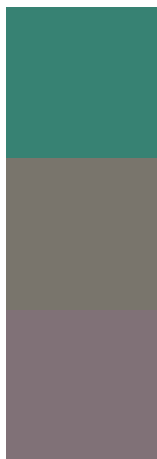


This preview shows how white text looks on a background with the XYZ color 12.6527, 18.0153,

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

12.6527, 18.0153, 19.0301

Protanopia

16.9532, 17.8702, 16.7431

Deuteranopia

18.1370, 17.7314, 19.9193



Tritanopia

14.1546, 18.0416, 26.4033

Trichromacy



Original Color

12.6527, 18.0153, 19.0301

Protanomaly

14.7585, 17.6082, 17.6598

Deuteranomaly

15.2337, 17.2684, 19.6698

Tritanomaly

13.5451, 17.9840, 23.5262

Monochromacy



Original Color

12.6527, 18.0153, 19.0301

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.8215, 15.3918, 16.7632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6527, 18.0153, 19.0301 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(55, 130, 115)` looks like.

```
.text, #text, p{  
    color:rgb(55, 130, 115)  
}
```

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(55, 130, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 130, 115) }
```

Border

The CSS property to change the border of an element to XYZ 12.6527, 18.0153, 19.0301 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(55, 130, 115) }
```


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

```
.border{ border-color:rgb(55, 130, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 130, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(55, 130, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(55, 130, 115); box-shadow:4px 4px 4px 4px rgb(55, 130, 115) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6527, 18.0153, 19.0301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 130, 115) }
```

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

```
.background{ background-color: rgb(55, 130,  
115) }
```

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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