

Converting Colors

XYZ(20.6175, 30.0783, 37.6501)

Have a look what the booklet for
XYZ(20.6175, 30.0783, 37.6501)
contains.

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Color

**XYZ(20.6218, 30.1507,
37.5337)**

Conversions

Conversions Part 1

Format	Color
Hex	24A69F
RGB	36, 166, 159
RGB Percent	14%, 65%, 62%
CMY	0.8588, 0.3490, 0.3765
CMYK	0.78, 0.00, 0.04, 0.35
HSL	177°, 64%, 40%
HSV	177°, 78%, 65%
XYZ	20.6218, 30.1507, 37.5337
YIQ	126.3320, -75.2330, -29.7370

Conversions

Conversions Part 2

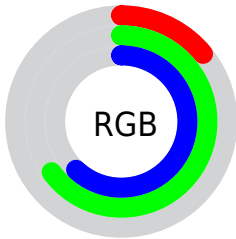
Format	Color
RYB	36, 103, 166
Decimal	2401951
CIELab	61.78, -34.83, -6.12
CIElCh	62, 35.364, 189.970
Yxy	30.1507, 0.2335, 0.3414
Android (android.graphics.Color)	4280592031 (0xFF24A69F)
YUV	126.3320, 16.1053, -79.2212
Hunter-Lab	54.9097, -29.0547, -2.0911

Details

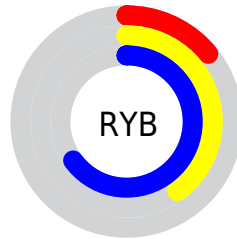
The XYZ color **20.6218, 30.1507, 37.5337** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.7938, 9.5441, 3.2437**, and the grayscale version is **19.9108, 20.9477, 22.8120**.

A 20% lighter version of the original color is **44.0846, 60.1008, 72.8955**, and **8.6119, 12.8930, 16.2221** is the 20% darker color. If you saturate the color by 10%, you get **20.0941, 29.8883, 37.1061**, and if you desaturate by 10%, it is **21.4205, 30.5541, 37.9783**.

Distribution



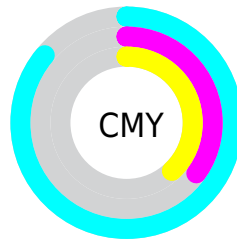
- Red (14%)
- Green (65%)
- Blue (62%)



- Red (14%)
- Yellow (40%)
- Blue (65%)



- Cyan (78%)
- Magenta (0%)
- Yellow (4%)
- Black (35%)



- Cyan (86%)
- Magenta (35%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6218, 30.1507, 37.5337 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 20.6218, 30.1507, 37.5337 by changing the saturation by 10% instead.

■ 20.6218, 30.1507,
37.5337

■ 20.6218, 30.1507,
37.5337

248.0316,
302.6063, 350.8534

■ 12.9587, 19.9530,
25.3220

■ 43.9533, 59.9004,
72.5883

■ 7.4769, 12.3609,
16.0959

■ 60.3524, 80.2212,
96.2683

■ 3.8111, 6.9900,
9.4369

■ 80.3942, 104.6852,
124.6081

■ 1.5958, 3.4558,
4.9266

■ 104.4441,
133.6767, 158.0263

■ 0.3897, 1.3741,
2.1463

■ 132.8675,
167.5802, 196.9414

■ 0.0000, 0.1975,
0.6431

166.0296,

■ 0.0000, 0.0000,

206.7800, 241.7719

0.0000

204.2959,
251.6606, 292.9364

■ 20.6218, 30.1507,
37.5337

■ 20.6218, 30.1507,
37.5337

■ 20.0941, 29.8883,
37.1061

■ 21.4205, 30.5541,
37.9783

■ 19.7759, 29.7331,
36.6905

■ 22.5203, 31.1121,
38.4392

■ 19.7278, 29.7098,
36.6208

■ 23.9505, 31.8402,
38.9185

■ 25.7359, 32.7514,
39.4174

■ 27.8992, 33.8574,
39.9370

■ 30.4610, 35.1687,
40.4781

■ 33.4405, 36.6953,
41.0418

■ 36.8556, 38.4464,
41.6288

■ 40.7234, 40.4308,
42.2400

Harmonies

Analogous

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



20.9541, 30.1507, 24.7129



20.6218, 30.1507, 37.5337



22.2543, 30.1507, 52.4977

Triad

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



20.6218, 30.1507, 37.5337



34.8862, 30.1507, 57.0256



31.8769, 30.1507, 13.9750

Complementary

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



20.6218, 30.1507, 37.5337



16.7938, 9.5441, 3.2437

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.



36.1839, 30.1507, 18.8123



20.6218, 30.1507, 37.5337



38.0492, 30.1507, 42.5519

Square

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



20.6218, 30.1507, 37.5337



30.2562, 30.1507, 65.6255



38.5485, 30.1507, 28.5348



27.1158, 30.1507, 13.3186

Rectangle

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



20.6218, 30.1507, 37.5337



24.3545, 30.1507, 60.8371



38.5485, 30.1507, 28.5348



33.4393, 30.1507, 15.0871

Sweetspot

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



20.6227, 30.1518, 37.5344



52.8091, 62.5596, 72.9537



15.0233, 27.9514, 6.2732



11.4649, 13.8191, 16.2495



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.6227, 30.1518, 37.5344



36.0280, 54.0279, 66.7799



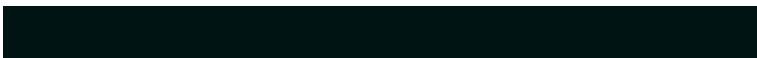
13.1517, 14.2098, 38.1272



7.7298, 8.5250, 9.5635



15.3030, 23.0400, 28.4262



0.3774, 0.5626, 0.7184

Inverse Universe

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



16.7938, 9.5441, 3.2437



28.8496, 15.0673, 2.2507



19.9017, 15.9481, 3.6992



7.5469, 7.5486, 7.9311



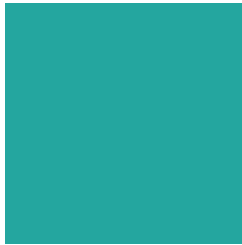
12.2383, 6.3040, 0.8005



0.3027, 0.1554, 0.0456

Previews

White Background



This preview shows how the XYZ color 20.6218, 30.1507, 37.5337 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.6218, 30.1507, 37.5337 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 ✓ Pass

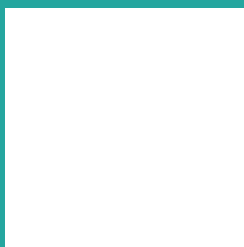
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6218, 30.1507, 37.5337

Background



This preview shows how black text looks on a background with the XYZ color 20.6218, 30.1507, 37.5337.

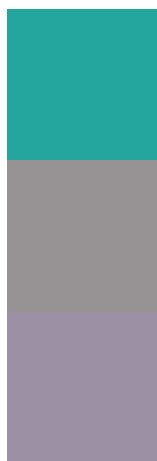


This preview shows how white text looks on a background with the XYZ color 20.6218, 30.1507,

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

20.6218, 30.1507, 37.5337

Protanopia

28.5415, 29.5849, 32.2231

Deuteranopia

30.1917, 29.5954, 39.2432



Tritanopia

22.2996, 30.0217, 46.2144

Trichromacy



Original Color

20.6218, 30.1507, 37.5337

Protanomaly

23.5298, 28.6294, 33.9916

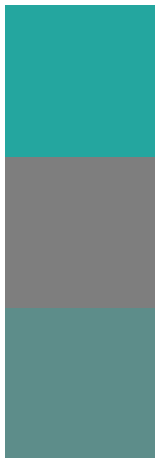
Deuteranomaly

24.4319, 28.5099, 38.3977

Tritanomaly

21.5699, 29.9887, 42.6818

Monochromacy



Original Color

20.6218, 30.1507, 37.5337

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.6265, 23.2119, 27.5434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6218, 30.1507, 37.5337 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(36, 166, 159)` looks like.

```
.text, #text, p{  
  color:rgb(36, 166, 159)  
}
```

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(36, 166, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 166, 159) }
```

Border

The CSS property to change the border of an element to XYZ 20.6218, 30.1507, 37.5337 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(36, 166, 159) }
```


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

```
.border{ border-color:rgb(36, 166, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 166, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 166, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 166, 159);  
box-shadow:4px 4px 4px 4px rgb(36, 166,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6218, 30.1507, 37.5337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 166, 159) }
```

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

```
.background{ background-color: rgb(36, 166,  
159) }
```

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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