

Converting Colors

XYZ(20.2277, 25.9182, 50.3371)

Have a look what the booklet for
XYZ(20.2277, 25.9182, 50.3371)
contains.

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Color

**XYZ(20.1790, 25.8070,
50.3721)**

Conversions

Conversions Part 1

Format	Color
Hex	1297BA
RGB	18, 151, 186
RGB Percent	7%, 59%, 73%
CMY	0.9293, 0.4078, 0.2706
CMYK	0.90, 0.19, 0.00, 0.27
HSL	193°, 82%, 40%
HSV	193°, 90%, 73%
XYZ	20.1790, 25.8070, 50.3721
YIQ	115.2230, -90.5030, -17.3110

Conversions

Conversions Part 2

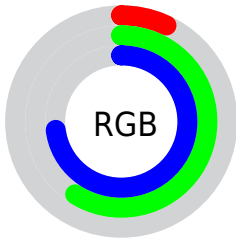
Format	Color
R_{YB}	18, 92, 186
Decimal	1218490
CIE _{Lab}	57.85, -20.05, -27.35
CIE _{LCh}	58, 33.913, 233.749
Yxy	25.8070, 0.2094, 0.2678
Android (android.graphics.Color)	4279408570 (0xFF1297BA)
YUV	115.2230, 34.8931, -85.2646
Hunter-Lab	50.8006, -17.9973, -23.2295

Details

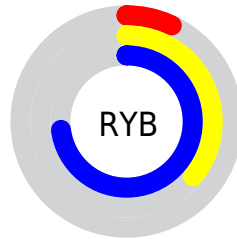
The XYZ color **20.1790, 25.8070, 50.3721** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.6335, 13.0314, 1.9484**, and the grayscale version is **16.2830, 17.1310, 18.6556**.

A 20% lighter version of the original color is **43.1139, 52.7828, 91.9202**, and **8.7908, 10.8078, 23.8131** is the 20% darker color. If you saturate the color by 10%, you get **19.3351, 24.4893, 50.1628**, and if you desaturate by 10%, it is **21.3136, 27.3335, 50.6075**.

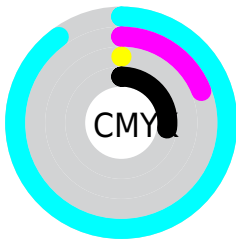
Distribution



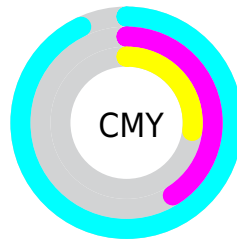
- Red (7%)
- Green (59%)
- Blue (73%)



- Red (7%)
- Yellow (36%)
- Blue (73%)



- Cyan (90%)
- Magenta (19%)
- Yellow (0%)
- Black (27%)



- Cyan (93%)
- Magenta (41%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1790, 25.8070, 50.3721 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 20.1790, 25.8070, 50.3721 by changing the saturation by 10% instead.

20.1790, 25.8070,
50.3721

20.1790, 25.8070,
50.3721

245.6976,
281.8334, 404.8960

12.6342, 16.6793,
35.3359

43.2187, 52.9634,
92.1279

7.2524, 10.0061,
23.6361

59.4444, 71.7610,
119.6846

3.6682, 5.4030,
14.8542

79.2945, 94.5505,
152.2519

1.5162, 2.4856,
8.5716

103.1343,
121.7166, 190.2483

0.3368, 0.8694,
4.3699

131.3291,
153.6435, 234.0924

0.0000, 0.0000,
1.8304

164.2444,

0.0000, 0.0000,

190.7157, 284.2027

0.4479

202.2454,
233.3175, 340.9977

■ 0.0000, 0.0000,
0.0000

■ 20.1790, 25.8070,
50.3721

■ 20.1790, 25.8070,
50.3721

■ 19.3351, 24.4893,
50.1628

■ 21.3136, 27.3335,
50.6075

■ 22.8066, 29.0752,
50.8649

■ 24.7049, 31.0567,
51.1474

■ 27.0473, 33.2985,
51.4566

■ 29.8677, 35.8182,
51.7943

■ 33.1969, 38.6321,
52.1620

■ 37.0630, 41.7548,
52.5610

■ 41.4917, 45.2000,
52.9925

■ 46.5074, 48.9803,
53.4579

Harmonies

Analogous

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



18.0302, 25.8070, 38.1457



20.1790, 25.8070, 50.3721



23.6850, 25.8070, 56.8476

Triad

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



20.1790, 25.8070, 50.3721



33.1760, 25.8070, 30.6158



21.5052, 25.8070, 12.1518

Complementary

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



20.1790, 25.8070, 50.3721



21.6335, 13.0314, 1.9484

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.



25.3924, 25.8070, 11.1687



20.1790, 25.8070, 50.3721



32.4268, 25.8070, 19.9928

Square

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



20.1790, 25.8070, 50.3721



31.4094, 25.8070, 43.5763



29.4626, 25.8070, 13.6042



18.7344, 25.8070, 16.8043

Rectangle

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



20.1790, 25.8070, 50.3721



26.4395, 25.8070, 56.0360



29.4626, 25.8070, 13.6042



22.7124, 25.8070, 11.4465

Sweetspot

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



20.1799, 25.8079, 50.3727



62.0750, 71.5841, 94.7468



18.4203, 35.4916, 9.0839



13.1698, 15.3533, 20.8119



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.1799, 25.8079, 50.3727



34.8650, 44.0266, 90.8618



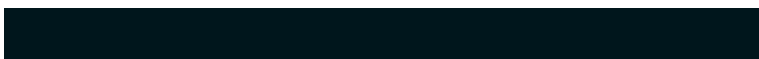
11.2054, 7.8590, 47.3813



9.1035, 9.8843, 11.5075



13.0630, 16.5858, 33.7660



0.5011, 0.6658, 1.2038

Inverse Universe

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



26.0527, 13.1071, 30.4358



46.1934, 22.7173, 51.6891



29.1084, 27.9811, 4.4401



9.2986, 9.1298, 10.9199



17.2073, 8.4567, 19.5103



0.6271, 0.3063, 0.7956

Previews

White Background



This preview shows how the XYZ color 20.1790, 25.8070, 50.3721 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 20.1790, 25.8070, 50.3721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

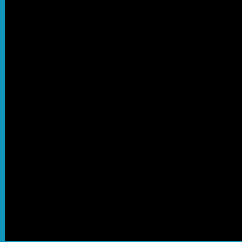
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1790, 25.8070, 50.3721

Background



This preview shows how black text looks on a background with the XYZ color 20.1790, 25.8070, 50.3721.

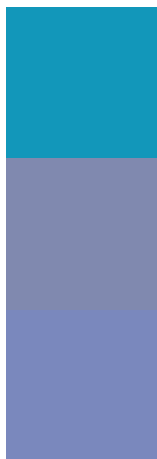


This preview shows how white text looks on a background with the XYZ color 20.1790, 25.8070,

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

20.1790, 25.8070, 50.3721

Protanopia

25.5856, 25.5757, 44.1455

Deuteranopia

26.0155, 25.4200, 51.6795



Tritanopia

18.4385, 25.8644, 40.0969

Trichromacy



Original Color

20.1790, 25.8070, 50.3721

Protanomaly

21.8342, 24.6754, 46.2599

Deuteranomaly

22.2581, 24.5654, 51.1454

Tritanomaly

19.0217, 25.8448, 43.5212

Monochromacy



Original Color

20.1790, 25.8070, 50.3721

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.8352, 19.0669, 28.0450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1790, 25.8070, 50.3721 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(18, 151, 186)` looks like.

```
.text, #text, p{  
    color:rgb(18, 151, 186)  
}
```

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(18, 151, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 151, 186) }
```

Border

The CSS property to change the border of an element to XYZ 20.1790, 25.8070, 50.3721 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(18, 151, 186) }
```


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

```
.border{ border-color:rgb(18, 151, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 151, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 151, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 151, 186);  
box-shadow:4px 4px 4px 4px rgb(18, 151,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1790, 25.8070, 50.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 151, 186) }
```

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

```
.background{ background-color: rgb(18, 151,  
186) }
```

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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